

**Table 8. Federal obligations for research and development, by performer:
fiscal years 1951-97**

[Dollars in thousands]

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Fiscal Years	Total	Intramural ¹	Extramural							
			Industrial firms excl FFRDCs	FFRDCs admin by industrial firms	Univ & col excluding FFRDCs	FFRDCs admin by univ & col	Nonprofit inst excl FFRDCs	FFRDCs admin by nonprofit inst	State and local govts	Foreign
1951	1,521,527	NA	NA	NA	NA	NA	NA	NA	NA	NA
1952	1,909,665	NA	NA	NA	NA	NA	NA	NA	NA	NA
1953	1,919,543	NA	NA	NA	NA	NA	NA	NA	NA	NA
1954	1,761,840	NA	NA	NA	NA	NA	NA	NA	NA	NA
1955	2,044,593	950,168	636,461	134,622	139,955	135,317	26,163	18,558	3,349	NA
1956	2,988,203	1,040,504	1,246,384	332,782	175,870	145,648	30,805	9,018	7,192	NA
1957	3,932,001	1,220,436	1,837,714	407,043	223,643	167,997	48,796	12,937	13,435	NA
1958	4,569,722	1,374,032	2,283,327	323,718	288,066	208,609	62,501	14,807	14,662	NA
1959	6,693,510	1,639,134	3,832,921	417,515	363,637	271,598	86,288	20,647	15,984	45,786
1960	7,551,746	1,723,071	4,356,843	476,784	459,055	323,748	116,530	23,205	13,282	59,228
1961	9,058,623	1,878,239	5,435,259	454,556	584,585	408,792	146,896	73,429	15,660	61,207
1962	10,289,947	2,096,340	6,135,919	425,766	762,577	507,949	174,663	112,322	15,826	58,585
1963	12,494,611	2,278,990	7,876,693	413,799	899,529	545,755	245,160	150,906	24,463	59,316
1964	14,225,354	2,837,947	8,693,011	443,209	1,077,338	586,867	308,196	177,683	40,178	60,925
1965	14,614,249	3,092,635	8,656,919	401,189	1,193,838	609,182	351,904	197,860	45,412	65,310
1966	15,320,334	3,219,691	9,027,049	359,069	1,350,738	643,232	394,293	196,616	75,995	53,651
1967	16,529,099	3,395,669	9,877,773	384,669	1,454,295	666,451	400,144	223,536	63,497	63,065
1968	15,921,208	3,493,145	9,046,982	414,245	1,487,410	713,729	377,475	234,497	100,218	53,507
1969	15,640,888	3,501,201	8,703,088	427,098	1,529,218	722,033	364,247	240,723	102,175	51,105
1970	15,338,937	4,079,314	7,770,131	430,703	1,475,564	751,126	444,851	247,439	99,581	40,228
1971	15,542,512	4,228,291	7,587,515	480,150	1,644,574	728,867	458,786	210,216	141,051	63,062
1972	16,495,895	4,589,200	7,716,047	529,897	1,903,546	760,559	514,893	215,437	206,706	59,610
1973	16,800,153	4,762,157	7,731,267	582,376	1,916,604	725,310	578,184	183,057	256,841	64,357
1974	17,410,128	4,910,901	7,752,337	592,827	2,213,957	789,136	672,224	199,324	214,369	65,053
1975	19,038,818	5,353,962	8,423,242	703,652	2,411,432	935,076	702,342	219,918	227,618	61,576
1976	20,779,658	5,768,719	9,340,294	813,844	2,551,801	1,061,115	708,583	231,038	231,165	73,099
1977	23,450,377	6,011,680	10,717,226	1,112,720	2,905,475	1,313,148	800,024	263,875	238,044	88,185
1978	25,845,137	6,810,422	11,399,984	1,242,482	3,374,631	1,311,945	998,178	315,917	268,410	123,168
1979	28,145,142	7,417,528	12,172,401	1,318,096	3,888,844	1,488,266	1,026,490	368,734	310,121	154,662
1980	29,830,432	7,632,333	12,969,145	1,408,062	4,263,432	1,533,309	1,105,568	441,836	265,542	211,205
1981	33,103,924	8,425,745	14,867,893	1,413,894	4,465,755	1,790,977	1,068,781	525,231	222,211	323,437
1982	36,432,589	9,141,030	17,192,224	1,506,426	4,605,472	1,976,671	1,091,651	520,573	184,265	214,277
1983	38,711,537	10,581,919	17,019,728	1,501,193	4,966,438	2,393,881	1,241,563	581,272	186,019	239,524
1984 ²	42,224,865	11,572,315	18,610,379	1,608,438	5,546,902	2,485,820	1,497,252	597,086	130,917	175,756
1985	48,359,565	12,945,444	21,704,865	1,790,792	6,339,720	2,816,413	1,699,249	689,190	129,380	244,512
1986	51,412,364	13,534,899	24,201,180	1,697,021	6,558,797	2,767,653	1,676,991	551,188	128,383	296,252
1987	55,253,693	13,413,064	26,768,186	1,859,963	7,337,252	3,209,624	1,711,417	510,644	148,244	295,299
1988	56,769,425	14,114,595	26,719,194	1,911,314	7,827,691	3,473,924	1,683,211	505,587	142,123	391,786
1989	61,406,484	15,024,605	28,547,918	2,056,329	8,671,966	3,497,050	1,999,854	521,952	167,429	919,381
1990	63,559,471	15,848,946	29,370,021	2,326,808	9,137,543	3,449,838	2,248,184	621,640	213,878	342,613
1991	61,295,152	15,138,167	26,420,584	2,168,256	10,168,539	3,603,818	2,637,402	679,417	215,072	263,897
1992	65,592,590	15,582,810	29,744,837	2,117,033	10,271,239	3,855,467	2,803,559	745,642	184,115	287,888
1993	67,314,025	16,663,337	30,219,004	1,451,326	11,208,385	3,614,191	2,811,867	753,411	320,325	272,179
1994	67,255,776	16,139,103	30,454,403	1,293,494	11,828,718	3,292,933	2,929,650	735,512	325,405	256,558
1995	68,754,875	17,342,745	30,468,655	1,203,899	11,933,026	3,574,349	2,806,493	831,393	316,483	277,832
1996 (Preliminary) ..	69,076,929	16,897,048	31,267,614	1,231,251	12,251,202	3,302,165	2,866,604	721,223	273,777	266,045
1997 (Preliminary) ..	68,063,742	16,403,688	30,712,597	1,339,507	12,362,232	3,230,552	2,883,561	644,104	281,635	205,866

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

KEY: FFRDCs = Federally funded research and development centers

NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 9. Federal obligations to intramural performers for research and development, by agency:
fiscal years 1974-81**

[Dollars in thousands]

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Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981
Total, all agencies	4,910,901	5,353,962	5,768,719	6,011,680	6,810,422	7,417,528	7,632,333	8,425,745
Departments:								
Department of Agriculture, total	273,958	302,533	332,952	392,878	417,781	455,467	457,178	511,360
Agricultural Cooperative Svc	NA	NA	NA	NA	NA	NA	1,419	1,213
Agricultural Marketing Svc ¹	0	0	0	0	0	867	1,227	1,097
Agricultural Research Service	NA	NA	NA	NA	NA	NA	NA	344,179
Cooperative State Research, Education, & Extension Svc	NA	NA	NA	NA	NA	NA	NA	7,137
Economic Research Service	NA	NA	NA	NA	NA	NA	NA	37,496
Economics, Statistics, & Cooperative Service ²	19,659	23,063	26,161	29,666	30,516	34,544	NA	NA
Economics & Statistics Svc ³	NA	NA	NA	NA	NA	NA	29,356	NA
Forest Service	60,489	71,343	74,612	82,359	94,616	96,535	101,352	111,895
National Agricultural Statistics Service	0	0	0	NA	NA	NA	NA	6,652
Office of International Cooperation & Development	NA	NA	NA	NA	NA	0	760	836
Office of Transportation	NA	NA	NA	NA	NA	665	767	855
Science & Education Administration	193,810	208,127	232,179	280,853	292,649	322,856	322,297	NA
Department of Commerce, total	117,499	138,971	149,019	170,923	178,278	196,853	225,506	236,755
Bureau of the Census	926	898	2,319	2,467	3,305	2,907	2,832	3,750
Economic Development Admin	555	473	723	536	1,564	2,258	1,368	2,592
Maritime Administration ⁴	1,080	2,568	2,499	1,978	1,757	1,975	2,225	NA
Minority Business Dvlpmt Agcy	271	629	503	383	0	0	0	0
National Fire Prevention & Control Administration ⁵	NA	2,793	3,710	3,423	NA	NA	NA	NA
Nat'l Inst of Standards & Tech	38,765	41,789	46,554	51,768	54,517	62,073	71,328	77,610
National Oceanic & Atmospheric Administration	73,768	88,002	91,441	107,010	114,811	123,043	136,536	140,762
National Telecommunications & Information Administration	NA	NA	NA	2,900	1,808	4,060	10,694	10,934
Office of the Secretary	0	0	0	0	0	2	63	0
Office of Telecommunications	1,640	1,319	896	NA	NA	NA	NA	NA
Patent & Trademark Office	494	500	374	458	516	535	460	1,107
Department of Defense, total	2,630,645	2,733,565	2,891,116	3,081,233	3,349,729	3,743,873	3,796,486	4,280,707
Department of the Army, total	707,313	730,769	775,861	900,973	922,400	1,080,149	1,125,212	1,202,030
Department of the Army, Civil Functions	9,190	9,460	17,824	21,229	22,335	22,419	25,203	25,339
Department of the Army, Military Functions	698,123	721,309	758,037	879,744	900,065	1,057,730	1,100,009	1,176,691
Department of the Navy	961,165	1,007,950	1,074,822	1,138,449	1,184,649	1,399,270	1,303,731	1,473,465
Dept of the Air Force	805,558	835,786	843,623	821,511	1,012,603	1,014,600	1,054,806	1,238,806
Defense Agencies	140,527	140,077	175,321	193,703	204,777	225,799	279,766	328,645
Defense Civil Preparedness Agency ⁶	271	250	105	108	1,673	NA	NA	NA
Test & Evaluation, Deputy Under Secretary of Defense	15,811	18,733	21,384	26,489	23,627	24,055	32,971	37,761
Department of Education	NA	NA	NA	NA	NA	19,484	4,045	0
Department of Energy ⁷	NA	NA	NA	137,341	317,675	361,892	473,598	450,813
Department of Health, Education, & Welfare, total	401,591	456,273	493,405	554,659	685,856	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	25,889	23,232	24,298	28,533	51,442	NA	NA	NA
Center for Disease Control	22,859	27,875	34,471	38,994	42,618	NA	NA	NA
Food & Drug Administration	19,144	23,111	22,810	25,295	41,093	NA	NA	NA
Health Care Financing Admin	NA	NA	NA	7,960	5,238	NA	NA	NA
Health Resources Admin	2,398	10,761	9,428	296	201	NA	NA	NA
Health Services Administration	4,512	4,320	5,663	4,733	4,818	NA	NA	NA
National Inst of Education	10,960	11,537	11,513	12,886	15,328	NA	NA	NA
National Institutes of Health	289,219	330,111	369,247	412,148	494,032	NA	NA	NA
Office of Assistant Secretary for Education	0	75	75	75	138	NA	NA	NA
Office of Assistant Secretary for Health	0	0	0	9,115	11,295	NA	NA	NA
Office of Education	406	121	536	1,121	1,811	NA	NA	NA
Office of Human Dvlpmt Svcs	2,744	3,500	4,506	4,269	5,281	NA	NA	NA
Office of the Secretary	3,824	2,629	2,500	1,239	2,715	NA	NA	NA
Social & Rehabilitation Svc	520	514	514	NA	NA	NA	NA	NA
Social Security Administration	19,116	18,487	7,844	7,995	9,846	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table 9. Federal obligations to intramural performers for research and development, by agency:
fiscal years 1974-81

[Dollars in thousands]

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Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981
Dept of Hlth & Human Svcs, total	NA	NA	NA	NA	NA	728,882	820,155	872,268
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	NA	56,770	63,306	80,242
Centers for Disease Control & Prevention	NA	NA	NA	NA	NA	55,964	66,693	52,777
Food & Drug Administration	NA	NA	NA	NA	NA	44,068	59,824	57,857
Health Care Financing Admin	NA	NA	NA	NA	NA	3,682	5,750	3,185
Health Resources Admin	NA	NA	NA	NA	NA	150	154	88
Health Services Administration	NA	NA	NA	NA	NA	6,560	6,439	8,796
Human Development Services	NA	NA	NA	NA	NA	4,777	2,650	5,234
National Institutes of Health	NA	NA	NA	NA	NA	527,891	587,078	638,523
Office of the Assistant Secretary for Health	NA	NA	NA	NA	NA	10,404	11,503	12,440
Office of the Secretary	NA	NA	NA	NA	NA	3,276	2,044	1,920
Social Security Administration	NA	NA	NA	NA	NA	15,340	14,714	11,206
Dept of Housing & Urban Dvlpmt	17,383	19,397	15,826	20,521	24,930	26,498	12,854	21,454
Department of the Interior, total	132,961	180,050	211,446	217,232	215,695	249,948	242,071	273,794
Bonneville Power Admin	1,041	2,194	3,525	0	0	0	0	4,461
Bureau of Land Management	360	342	311	551	573	721	716	967
Bureau of Mines	44,522	46,861	71,480	65,248	52,868	56,971	56,028	46,995
Bureau of Reclamation	3,993	4,583	5,211	5,501	6,294	6,079	6,638	8,359
Geological Survey	63,698	100,476	106,249	112,563	123,432	134,114	129,763	155,474
Heritage Conservation & Recreation Service	20	20	20	20	NA	NA	NA	NA
National Park Service	489	3,538	4,767	4,692	3,512	5,898	5,995	7,160
Office of the Secretary	0	300	395	1,459	1,048	848	930	615
Office of Surface Mining Reclamation & Enforcement	NA	NA	NA	0	198	1,434	666	1,563
Office of Water Rsch & Tech	1,865	2,347	2,197	1,108	1,500	3,125	1,800	3,000
US Fish & Wildlife Svc	16,973	19,389	17,291	26,090	26,270	40,758	39,535	45,200
Department of Justice, total	4,910	5,502	5,435	4,174	6,028	5,001	2,869	3,653
Bureau of Prisons	410	470	420	597	1,910	826	107	907
Drug Enforcement Admin	1,700	156	500	900	500	600	600	400
Federal Bureau of Investigation	200	200	221	200	275	225	215	275
Immigration & Naturalization Service	0	4	1	43	316	78	112	94
Office of Justice Programs	2,600	4,672	4,293	2,434	2,936	3,251	1,655	1,842
Office of Legal Policy	0	0	0	0	91	21	180	135
Department of Labor, total	6,767	8,756	10,763	9,507	8,986	20,111	12,152	35,307
Bureau of Labor Statistics	1,662	1,830	1,308	1,372	1,178	855	860	251
Employment Standards Admin	891	3,240	4,268	4,371	3,026	3,455	3,900	2,720
Employment & Training Admin	2,899	2,505	3,600	2,460	3,140	12,305	4,358	30,100
Labor-Management Svcs Admin	502	451	474	992	1,006	1,725	1,312	1,053
Occupational Safety & Health Administration	310	232	300	141	200	406	607	20
Office of the Secretary	503	498	813	171	436	1,365	1,115	1,100
Pension Benefit Guaranty Corp	NA	NA	NA	NA	NA	NA	NA	63
Department of State, total ⁸	3,781	4,338	5,790	7,552	4,366	1,028	841	1,060
Agency for Internat'l Dvlpmt ⁸	3,538	4,057	5,523	6,475	3,968	NA	NA	NA
Departmental Funds	243	281	267	1,077	398	1,028	841	1,060
Dept of Transportation, total	66,853	58,042	63,113	88,284	109,304	110,277	113,471	122,355
Coast Guard	4,360	3,335	3,309	4,317	5,495	6,000	6,000	13,988
Federal Aviation Admin	27,796	22,978	21,896	24,952	26,762	26,370	24,580	28,636
Federal Highway Administration	847	790	482	7,404	12,560	12,064	11,847	11,827
Federal Railroad Admin	9,714	9,799	19,616	14,968	19,610	16,024	15,660	12,982
Federal Transit Administration	8,698	8,348	6,645	16,548	17,842	24,656	28,069	31,177
Maritime Administration ⁴	NA	NA	NA	NA	NA	NA	NA	332
National Highway Traffic Safety Administration	2,933	1,677	1,091	7,755	11,002	12,051	12,922	10,387
Office of the Secretary	12,505	11,115	10,074	12,340	15,755	4,312	5,788	6,393
Rsch & Special Programs Admin	NA	NA	NA	0	278	8,800	8,605	6,633
Department of the Treasury, total	1,125	1,618	3,510	3,390	5,290	3,007	5,452	5,416
Bureau of Alcohol, Tobacco, & Firearms	0	0	0	105	74	122	162	104
Bureau of Engraving & Printing	1,125	1,618	2,640	2,500	2,947	1,102	1,800	2,462
Internal Revenue Service	0	0	0	0	1,925	1,665	3,280	2,734
United States Customs Service	0	0	870	785	344	118	200	112
United States Secret Service	NA	NA	NA	NA	NA	NA	10	4
Department of Veterans Affairs	82,934	92,462	95,945	104,092	111,899	123,829	131,800	142,303

See explanatory information, if any, and SOURCE at end of table.

**Table 9. Federal obligations to intramural performers for research and development, by agency:
fiscal years 1974-81**

[Dollars in thousands]

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Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981
Other agencies:								
ACTION	88	22	15	58	116	114	0	0
Advisory Commission on Intergovernmental Relations	1,135	1,238	1,026	1,526	1,685	1,696	2,219	2,211
Appalachian Regional Commission	NA	NA	20	113	27	60	60	85
Civil Service Commission	1,955	2,817	2,549	2,405	NA	NA	NA	NA
Community Services Admin	1,428	1,023	1,000	1,510	1,520	1,520	1,525	1,540
Consumer Product Safety Comm	3,697	3,406	3,344	3,604	2,372	2,415	1,850	368
Energy Research & Dvlpmt Admin ⁷	30,016	66,073	73,661	NA	NA	NA	NA	NA
Environmental Protection Agency	50,227	141,465	122,995	125,616	159,299	175,340	145,104	152,008
Federal Communications Comm	766	803	986	1,691	1,775	1,397	2,196	1,142
Federal Emergency Management Agency, total ⁶	NA	NA	NA	NA	3,928	4,925	5,131	4,387
National Fire Prevention & Control Administration ⁵	NA	NA	NA	NA	3,928	0	0	0
Federal Energy Administration	0	228	1,023	NA	NA	NA	NA	NA
Federal Trade Commission	932	934	850	1,111	1,356	1,521	3,021	1,100
Foundation for Educational Assistance	NA	NA	NA	NA	NA	NA	NA	17,511
General Services Administration	195	155	165	61	1,425	16	2	459
International Development Cooperation Agency ⁸	NA	NA	NA	NA	NA	7,768	5,546	7,245
Agency for Internat'l Dvlpmt ⁸	NA	NA	NA	NA	NA	7,768	5,546	7,245
Interstate Commerce Commission	0	0	123	64	250	150	143	0
Library of Congress	2,163	2,508	2,963	3,460	4,517	5,400	6,400	4,600
Nat'l Aeronautics & Space Admin	993,387	1,042,718	1,168,321	944,849	1,046,120	1,031,731	964,781	1,043,805
National Science Foundation	53,615	49,478	64,860	79,506	83,355	63,206	75,113	106,472
Nuclear Regulatory Commission	145	4,207	7,430	9,358	11,222	9,679	14,096	25,114
Office of Personnel Management	NA	NA	NA	NA	1,974	3,488	3,698	5,348
Off of Telecommunications Policy	25	3,281	3,985	NA	NA	NA	NA	NA
Office of Thrift Supervision	631	659	748	1,482	931	863	1,227	949
Small Business Administration	0	16	5	332	0	0	0	0
Smithsonian Institution	22,728	23,244	24,679	27,293	31,996	33,685	36,557	41,159
Special Action Office for Drug Abuse Prevention	248	102	NA	NA	NA	NA	NA	NA
Tennessee Valley Authority	6,856	7,759	7,935	13,018	17,069	22,432	62,100	49,212
United States Arms Control & Disarmament Agency	153	235	114	90	444	468	933	160
United States Information Agcy ⁹	104	84	102	98	105	87	85	228
US Internat'l Trade Commission	0	0	1,500	2,649	3,119	3,417	2,068	3,397

¹ Although the Agricultural Marketing Service was established in April 1972, fiscal year 1979 was the first year in which Congress appropriated funds to this agency.

² Data reported for the Economics, Statistics, & Cooperative Service include programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

³ Data reported for the Economics & Statistics Service include programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.

⁴ In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

⁵ Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

⁶ Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

⁷ In 1977 the Energy Research & Development Administration became part of the Department of Energy.

⁸ The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on Oct. 1, 1979.

⁹ Data reported for the United States Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 9A. Federal obligations to intramural performers for research and development, by agency:
fiscal years 1982-89**

[Dollars in thousands]

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Agency and subdivision	1982	1983	1984	1985	1986	1987	1988	1989
Total, all agencies	9,141,030	10,581,919	11,572,315	12,945,444	13,534,899	13,413,064	14,114,595	15,024,605
Departments:								
Department of Agriculture, total	531,448	559,080	588,554	627,821	629,637	649,046	693,786	688,955
Agricultural Cooperative Svc	1,450	1,752	1,601	2,244	2,143	2,430	2,451	2,598
Agricultural Marketing Svc ¹	1,180	1,071	1,291	1,313	1,470	1,344	1,243	1,441
Agricultural Research Service	369,113	400,907	421,912	445,719	447,957	463,682	491,762	490,431
Animal & Plant Health Inspection Service	0	0	0	0	3,730	4,460	5,354	6,788
Cooperative State Research, Education, & Extension Svc	7,692	6,900	8,899	14,301	13,070	10,734	13,829	14,225
Economic Research Service	37,776	36,226	41,275	43,554	42,477	43,271	45,775	47,819
Forest Service	101,282	98,318	100,684	105,664	103,273	112,112	121,026	115,367
Grain Inspection Packers & Stockyards Administration	0	0	0	448	751	891	917	762
Human Nutrition Information Svc	4,100	5,100	3,344	4,268	5,103	5,075	5,716	5,658
National Agricultural Statistics Service	6,584	6,888	7,562	7,753	7,524	3,124	3,401	2,621
Office of International Cooperation & Development	1,381	1,069	981	1,426	1,172	982	1,237	1,245
Office of Transportation	890	849	1,005	1,131	967	941	1,075	NA
Department of Commerce, total	241,757	251,789	256,348	279,514	284,902	320,248	316,364	324,600
Bureau of the Census	3,638	4,240	4,261	4,732	4,442	4,193	4,643	3,964
Economic Development Admin	601	1,080	400	200	600	248	260	115
Nat'l Inst of Standards & Tech	83,265	89,119	90,379	94,887	95,237	92,992	102,794	107,703
National Oceanic & Atmospheric Administration	142,245	149,091	152,631	170,753	176,233	215,007	200,544	205,068
National Telecommunications & Information Administration	11,300	8,257	8,666	8,868	8,360	7,807	8,123	7,750
Office of the Secretary	2	2	11	74	30	1	0	0
Patent & Trademark Office	706	0	0	0	0	0	0	0
Department of Defense, total	5,139,164	6,400,769	7,257,189	8,324,443	8,880,526	8,335,950	8,879,813	9,295,437
Department of the Army, total	1,433,483	1,664,783	1,752,554	2,180,225	2,158,258	1,716,892	1,710,099	1,915,588
Department of the Army, Civil Functions	24,351	24,211	23,845	27,891	28,381	25,696	28,042	31,548
Department of the Army, Military Functions	1,409,132	1,640,572	1,728,709	2,152,334	2,129,877	1,691,196	1,682,057	1,884,040
Department of the Navy	1,598,491	2,029,797	2,482,087	2,678,979	2,984,670	2,719,432	2,983,581	3,057,648
Dept of the Air Force	1,584,172	1,952,625	2,473,541	2,715,637	2,832,913	2,878,286	2,805,848	2,648,100
Defense Agencies	489,497	698,667	498,689	706,552	874,046	998,906	1,286,931	1,622,729
Operational Test & Evaluation, Director	NA	NA	NA	NA	0	150	57,859	250
Test & Evaluation, Deputy Under Secretary of Defense	33,521	54,897	50,318	43,050	30,639	22,284	35,495	51,122
Department of Education	18,868	11,535	10,537	9,931	8,300	8,166	12,528	14,904
Department of Energy ²	175,611	257,549	215,592	223,956	205,850	247,880	244,716	248,116
Dept of Hlth & Human Svcs, total	946,408	1,033,872	1,066,127	1,146,720	1,235,503	1,292,874	1,408,429	1,432,393
Alcohol, Drug Abuse, & Mental Health Administration	89,656	126,326	122,693	140,726	137,329	145,697	149,694	174,060
Centers for Disease Control & Prevention	54,219	51,436	16,238	35,544	41,964	46,101	60,782	72,236
Food & Drug Administration	64,579	67,070	70,286	76,444	74,563	78,940	83,789	91,789
Health Care Financing Admin	1,518	1,065	3,109	738	1,372	379	222	975
Health Resources & Svcs Admin	1,302	2,191	2,738	2,273	2,887	2,773	2,682	2,744
Human Development Services	2,949	2,636	2,739	3,517	7,608	6,556	3,731	2,910
National Institutes of Health	709,113	768,614	829,824	874,374	958,323	999,611	1,091,882	1,074,493
Office of the Assistant Secretary for Health	8,164	6,305	9,708	9,462	7,758	8,352	10,695	8,611
Office of the Secretary	2,468	2,116	1,642	986	899	1,665	1,352	1,294
Social Security Administration	12,440	6,113	7,150	2,656	2,800	2,800	3,600	3,281
Dept of Housing & Urban Dvlpmt	17,191	18,687	10,357	12,796	11,085	12,095	13,906	12,792

See explanatory information, if any, and SOURCE at end of table.

**Table 9A. Federal obligations to intramural performers for research and development, by agency:
fiscal years 1982-89**

[Dollars in thousands]

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Agency and subdivision	1982	1983	1984	1985	1986	1987	1988	1989
Department of the Interior, total	260,976	274,061	334,106	342,227	332,038	354,602	352,968	394,346
Bureau of Land Management	3,380	3,397	3,400	2,900	2,400	2,600	3,000	2,400
Bureau of Mines	61,086	57,927	77,169	76,265	69,183	76,991	63,420	67,084
Bureau of Reclamation	6,442	7,441	6,967	8,418	6,000	7,970	4,171	3,689
Geological Survey ³	139,367	146,313	191,633	196,739	194,045	202,387	211,226	249,075
Minerals Management Service	0	335	335	550	415	137	531	1,297
National Park Service	9,358	10,554	9,803	10,716	14,371	14,000	13,800	14,280
Office of the Secretary	44	52	9	187	96	0	23	20
Office of Surface Mining								
Reclamation & Enforcement	994	465	410	448	828	117	297	1
Office of Water Rsch & Tech ³	1,990	951	1,019	NA	NA	NA	NA	NA
US Fish & Wildlife Svc	38,315	46,626	43,361	46,004	44,700	50,400	56,500	56,500
Department of Justice, total	3,494	2,870	3,197	4,167	3,887	6,032	17,817	11,463
Bureau of Prisons	900	860	860	860	1,390	1,409	1,400	1,958
Drug Enforcement Admin	800	600	400	700	800	700	700	400
Federal Bureau of Investigation	275	275	275	1,127	1,127	1,183	12,733	7,676
Immigration & Naturalization								
Service	100	80	56	40	40	40	40	40
Office of Justice Programs	1,414	1,052	1,606	1,140	388	2,600	2,944	1,389
Office of Legal Policy	5	3	0	300	142	100	0	0
Department of Labor, total	6,097	5,676	5,483	3,459	3,742	12,473	8,655	5,335
Bureau of Labor Statistics	291	665	547	621	634	6,522	2,599	1,200
Employment Standards Admin	1,170	800	840	2	0	300	60	118
Employment & Training Admin	1,971	1,320	1,160	207	1,123	3,345	655	731
Labor-Management Relations &								
Cooperative Programs ⁴	NA	NA	18	16	10	10	10	10
Labor-Management Svcs Admin ⁴ ..	715	882	NA	NA	NA	NA	NA	NA
Occupational Safety & Health								
Administration	961	426	400	400	400	400	400	315
Office of the Secretary	900	1,525	1,900	1,576	1,290	1,583	4,181	2,287
Pension Benefit Guaranty Corp	89	58	30	20	10	30	30	300
Pension & Welfare Benefits								
Administration	NA	NA	588	617	275	283	720	374
Department of State	800	812	925	1,166	1,140	218	241	306
Dept of Transportation, total	75,654	75,570	176,188	137,584	131,321	137,579	147,930	162,709
Coast Guard	10,854	11,621	14,705	15,040	12,946	13,268	15,930	12,372
Federal Aviation Admin	22,492	30,102	102,835	92,228	88,894	94,168	103,706	122,902
Federal Highway Administration	1,763	2,051	2,297	1,321	1,967	2,263	3,430	3,291
Federal Railroad Admin	8,760	4,613	15,335	5,288	5,973	4,194	3,960	4,547
Federal Transit Administration	11,917	13,100	5,400	2,829	2,544	3,202	800	590
Maritime Administration	1,500	760	2,901	2,166	1,756	1,456	39	0
National Highway Traffic Safety								
Administration	11,246	7,909	26,120	12,589	11,743	13,023	12,700	13,373
Office of the Secretary	2,811	2,864	3,695	3,512	3,542	3,983	5,335	3,607
Rsch & Special Programs Admin ..	4,311	2,550	2,900	2,611	1,956	2,022	2,030	2,027
Department of the Treasury, total	7,933	8,211	8,329	14,144	13,454	13,618	12,288	12,286
Bureau of Engraving & Printing	2,816	2,000	2,209	2,625	2,911	2,855	1,563	1,497
Internal Revenue Service	4,965	6,099	5,987	11,319	10,164	10,345	10,362	10,362
United States Customs Service	152	75	110	113	110	160	200	210
United States Mint	0	0	0	25	32	32	33	41
United States Secret Service	0	37	23	62	237	226	130	176
Department of Veterans Affairs	134,994	158,662	189,138	224,294	184,582	206,825	212,500	231,835
Other agencies:								
Advisory Commission on								
Intergovernmental Relations	2,033	2,110	2,088	2,375	2,051	1,893	1,769	1,130
Appalachian Regional Commission	100	15	100	50	8	10	10	767
Consumer Product Safety Comm	199	533	1,284	1,938	1,751	1,127	602	709
Environmental Protection Agency	129,453	93,214	104,686	104,508	97,605	78,596	90,610	111,199
Federal Communications Comm	1,147	1,270	895	1,085	861	985	1,224	1,101
Federal Emergency Management								
Agency, total	3,789	1,183	3,145	903	0	0	0	0
Federal Trade Commission	1,188	1,364	1,558	1,734	1,827	520	428	379
General Services Administration ⁵	1,009	488	1,936	339	654	1,452	2,240	540
International Development								
Cooperation Agency	13,451	20,550	8,449	4,138	2,925	3,051	4,312	10,763
Agency for Internat'l Dvlpmt	13,451	20,550	8,449	4,138	2,925	3,051	4,312	10,763
Library of Congress	5,282	6,806	7,128	6,702	6,360	6,354	6,812	7,969

See explanatory information, if any, and SOURCE at end of table.

**Table 9A. Federal obligations to intramural performers for research and development, by agency:
fiscal years 1982-89**

[Dollars in thousands]

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Agency and subdivision	1982	1983	1984	1985	1986	1987	1988	1989
Nat'l Aeronautics & Space Admin	1,165,551	1,134,436	1,043,278	1,171,117	1,217,343	1,413,839	1,335,244	1,733,436
Nat'l Archives & Records Admin ⁵	NA	NA	NA	361	450	1,108	381	265
National Science Foundation	118,254	130,756	135,848	142,513	129,922	143,319	161,993	165,746
Nuclear Regulatory Commission	20,914	23,358	22,909	19,810	18,902	25,910	22,336	22,915
Office of Thrift Supervision ⁶	2,588	2,792	2,516	2,778	3,281	3,364	3,286	3,856
Smithsonian Institution	52,357	55,960	63,613	71,063	63,273	71,508	75,096	80,152
Tennessee Valley Authority	59,211	43,215	45,521	56,019	54,662	55,014	77,898	38,928
United States Arms Control & Disarmament Agency	246	53	251	27	50	30	15	502
United States Information Agency	99	1	25	6	91	165	321	100
US Internat'l Trade Commission	3,764	4,672	5,015	5,756	6,916	7,213	8,077	8,671

¹ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

² In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

³ As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

⁴ In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations & Cooperative Programs.

⁵ As of 1985 the National Archives & Records Administration is separate from the General Services Administration.

⁶ In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 9B. Federal obligations to intramural performers for research and development, by agency:
fiscal years 1990-97**

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Total, all agencies	15,848,946	15,138,167	15,582,810	16,663,337	16,139,103	17,342,745	16,897,048	16,403,688
Departments:								
Department of Agriculture, total	737,098	824,057	862,178	867,497	931,225	915,311	897,721	922,261
Agricultural Cooperative Svc	2,498	2,812	3,110	2,605	3,462	NA	NA	NA
Agricultural Marketing Service	2,476	2,646	4,576	4,515	4,570	4,316	4,864	4,905
Agricultural Research Service ¹	505,471	562,696	595,223	595,985	644,782	648,886	643,354	662,818
Animal & Plant Health Inspection Service	7,528	15,192	16,469	15,320	17,973	17,530	18,231	19,065
Cooperative State Research, Education, & Extension Svc ²	14,569	18,298	20,726	22,231	23,688	19,034	18,824	19,336
Economic Research Service	49,246	52,612	56,654	57,077	52,723	50,644	51,249	53,065
Foreign Agricultural Service ³	0	0	0	0	580	343	1,067	1,067
Forest Service	145,381	155,950	151,080	155,721	171,575	167,674	152,168	153,954
Grain Inspection Packers & Stockyards Administration ⁴	389	428	1,178	1,773	1,791	1,484	2,797	2,830
Human Nutrition Information Service ¹	5,800	9,341	8,552	7,281	3,923	NA	NA	NA
National Agricultural Statistics Service	2,545	2,979	3,451	3,604	3,746	3,844	3,767	3,821
Office of International Cooperation & Development ³	1,195	1,103	1,159	1,385	0	NA	NA	NA
Rural Business-Cooperative Service ⁵	NA	NA	NA	NA	2,412	1,556	1,400	1,400
Department of Commerce, total	336,325	399,513	512,346	499,867	597,066	664,764	688,100	712,320
Bureau of the Census	4,264	4,410	4,687	5,399	4,833	4,856	7,074	7,074
Economic Development Admin	764	762	196	0	48	10	10	30
Nat'l Inst of Standards & Tech	113,816	123,908	133,196	151,138	182,431	211,048	219,873	225,611
National Oceanic & Atmospheric Administration	209,775	266,858	370,306	339,163	404,917	442,466	456,663	474,860
National Telecommunications & Information Administration	7,706	3,575	3,961	4,167	4,837	6,383	4,479	4,745
Office of the Secretary	0	0	0	0	0	1	1	0
Department of Defense, total	9,638,968	8,156,841	8,601,344	8,742,340	8,016,572	8,906,942	8,655,216	7,918,751
Department of the Army, total	2,036,898	2,238,370	2,715,689	2,723,417	2,157,426	2,409,830	2,251,886	2,276,797
Department of the Army, Civil Functions ⁶	29,265	35,876	47,460	41,900	43,588	47,482	25,705	30,531
Department of the Army, Military Functions	2,007,633	2,202,494	2,668,229	2,681,517	2,113,838	2,362,348	2,226,181	2,246,266
Department of the Navy	2,995,742	3,003,599	3,065,729	3,246,001	3,062,147	3,355,575	3,193,588	2,850,081
Dept of the Air Force	2,870,021	836,732	1,115,824	909,307	991,818	1,113,802	1,036,966	1,013,488
Defense Agencies	1,598,848	1,960,449	1,603,043	1,727,439	1,589,053	1,825,216	1,965,296	1,550,713
Operational Test & Evaluation, Director	22,333	889	1,266	1,383	624	7,937	8,721	7,687
Test & Evaluation, Deputy Under Secretary of Defense	115,126	116,802	99,793	134,793	215,504	194,582	198,759	219,985
Department of Education	17,685	10,667	10,991	9,968	8,959	9,164	8,865	9,316
Department of Energy	307,329	381,132	335,514	516,984	561,852	490,665	416,157	507,294
Dept of Hlth & Human Svcs, total	1,532,643	1,875,140	1,675,771	2,139,631	2,206,413	2,484,935	2,239,555	2,362,142
Administration on Aging ⁷	NA	623	780	767	854	854	854	341
Administration for Children & Families ⁸ ⁷	NA	1,559	1,164	432	227	240	180	380
Agency for Health Care Policy & Research ⁹	13,975	23,161	26,231	29,946	39,825	26,577	17,109	25,715
Alcohol, Drug Abuse, & Mental Health Administration ¹⁰	230,015	379,835	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	38,508	55,542	74,659	100,742	159,142	275,498	281,294	319,294
Food & Drug Administration	92,070	85,340	121,893	140,880	153,536	153,932	153,932	153,932
Health Care Financing Admin	273	229	101	1,342	875	64	40	51
Health Resources & Svcs Admin	3,010	3,960	2,961	2,959	2,849	2,832	2,427	2,091
Human Development Services ⁷	1,641	NA	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health ¹⁰	1,141,154	1,307,922	1,420,483	1,843,244	1,828,694	2,010,548	1,780,171	1,856,788
Office of the Assistant Secretary for Health ⁹	5,994	9,648	6,034	113	68	29	48	50
Office of the Secretary	1,421	1,333	870	2,144	5,665	3,750	3,500	3,500
Social Security Admin ¹¹	4,582	5,988	20,595	17,062	14,678	10,611	NA	NA

See explanatory information, if any, and SOURCE at end of table.

**Table 9B. Federal obligations to intramural performers for research and development, by agency:
fiscal years 1990-97**

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Dept of Housing & Urban Dvlpmt	14,216	15,269	16,168	15,835	21,952	25,682	18,976	25,815
Department of the Interior, total	423,717	489,517	513,244	521,841	595,203	491,881	492,786	508,342
Bureau of Land Management	2,450	3,663	3,633	5,264	0	0	0	0
Bureau of Mines	68,074	74,552	79,200	82,928	81,256	0	NA	NA
Bureau of Reclamation	5,416	8,700	12,060	8,600	6,908	7,075	5,566	7,566
Geological Survey ¹²	269,237	309,072	319,927	322,823	335,035	326,263	470,364	483,381
Minerals Management Service	1,014	1,279	1,698	2,260	6,598	5,943	7,731	7,809
National Biological Svc ^{13 12}	NA	NA	NA	0	152,082	143,483	NA	NA
National Park Service ¹³	14,300	18,300	19,000	21,065	13,229	9,111	9,119	9,586
Office of the Secretary	25	50	125	100	95	6	6	0
Office of Surface Mining Reclamation & Enforcement	1	1	1	1	0	0	0	0
US Fish & Wildlife Svc ¹³	63,200	73,900	77,600	78,800	0	0	0	0
Department of Justice, total	12,862	14,056	15,701	14,938	10,830	17,422	42,210	43,755
Bureau of Prisons ¹⁴	1,825	1,850	2,650	2,520	2,200	2,600	2,400	2,400
Drug Enforcement Admin	271	300	390	92	150	50	145	100
Federal Bureau of Investigation	8,205	10,810	10,925	11,309	6,985	10,937	36,784	34,829
Immigration & Naturalization Service	40	40	40	40	40	40	40	40
Office of Justice Programs	2,521	1,056	1,696	977	1,455	3,795	2,841	6,386
Department of Labor, total	8,047	10,968	14,066	16,030	9,277	11,624	14,076	20,888
Bureau of Labor Statistics	2,500	2,500	7,600	2,500	3,100	3,779	8,200	12,600
Employment Standards Admin	53	0	0	0	0	0	0	0
Employment & Training Admin	1,347	4,340	2,453	8,946	1,629	2,744	1,550	1,459
Occupational Safety & Health Administration	378	392	1,145	1,166	1,182	1,286	935	1,029
Office of the Secretary	2,899	2,771	1,944	2,357	2,395	2,794	2,365	4,769
Pension Benefit Guaranty Corp	365	425	274	351	229	233	238	243
Pension & Welfare Benefits Administration	505	540	650	710	742	788	788	788
Department of State ¹⁵	239	338	373	434	350	402	405	405
Dept of Transportation, total	199,155	234,806	247,252	204,069	203,609	235,545	191,070	239,351
Coast Guard	14,247	18,130	14,241	23,381	15,854	14,000	14,226	14,040
Federal Aviation Admin	163,591	188,503	189,135	136,627	130,422	122,432	87,808	95,019
Federal Highway Administration	1,823	2,613	12,950	12,015	20,281	51,989	47,638	81,708
Federal Railroad Admin	5,683	8,382	12,016	10,704	11,691	15,602	12,468	15,101
Federal Transit Admin ¹⁶	997	1,000	900	2	5,120	4,232	2,634	2,630
Maritime Administration	278	993	1,086	951	813	723	0	454
National Highway Traffic Safety Administration	7,248	10,022	12,227	16,581	12,892	20,865	19,209	23,681
Office of the Secretary	3,572	3,075	2,896	3,488	4,605	2,901	2,897	2,808
Rsch & Special Programs Admin ..	1,716	2,088	1,801	320	1,931	2,801	4,190	3,910
Department of the Treasury, total	13,202	21,061	16,349	11,132	14,356	35,175	40,347	44,585
Bureau of Engraving & Printing	1,856	3,318	1,905	3,100	1,543	1,616	2,049	1,952
Financial Crimes Enforcement Network	0	2,278	1,203	1,519	0	0	0	0
Internal Revenue Service ^{17 18}	10,869	11,947	11,947	4,342	10,173	31,186	35,585	39,796
Office of Thrift Supervision ¹⁹	NA	2,990	815	738	481	550	546	583
United States Customs Service	200	300	250	1,175	1,890	1,540	1,860	1,870
United States Mint	41	52	0	22	18	42	43	89
United States Secret Service ²⁰	236	176	229	236	251	241	264	295
Department of Veterans Affairs	235,400	214,300	221,409	233,752	245,629	235,360	274,347	256,000
Other agencies:								
Advisory Commission on Intergovernmental Relations	1,513	1,663	1,730	2,098	1,355	1,413	1,402	0
Appalachian Regional Commission	9	100	35	370	100	100	100	100
Consumer Product Safety Comm	1,035	1,214	1,060	1,090	250	367	30	0
Environmental Protection Agency	118,640	167,186	87,625	110,907	115,061	224,639	186,185	236,633
Federal Communications Comm	1,329	1,442	1,648	1,625	1,683	2,268	2,819	2,749
Federal Trade Commission	459	957	1,285	877	705	564	981	1,034
General Services Administration	665	0	0	0	0	0	0	0
International Development Cooperation Agency	23,052	12,464	10,458	183,076	51,389	61,948	36,567	21,249
Agency for Internat'l Dvlpmt ¹⁵	23,052	12,464	10,458	183,076	51,389	61,948	36,567	21,249
Library of Congress	8,412	9,048	10,255	10,467	9,975	10,151	8,320	9,116

See explanatory information, if any, and SOURCE at end of table.

**Table 9B. Federal obligations to intramural performers for research and development, by agency:
fiscal years 1990-97**

[Dollars in thousands]

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Agency and subdivision	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Nat'l Aeronautics & Space Admin	1,968,411	2,112,018	2,210,336	2,295,170	2,271,257	2,253,736	2,403,417	2,301,038
Nat'l Archives & Records Admin	265	591	685	320	280	120	120	120
National Science Foundation	86,255	12,975	10,910	18,318	18,068	17,343	20,061	18,942
Nuclear Regulatory Commission	24,506	19,919	22,225	23,304	13,160	15,463	13,872	13,760
Office of Thrift Supervision ¹⁹	4,126	NA	NA	NA	NA	NA	NA	NA
Smithsonian Institution	83,987	97,999	97,999	102,000	124,176	124,000	125,400	136,800
Social Security Administration ¹¹	NA	NA	NA	NA	NA	NA	1,656	1,075
Tennessee Valley Authority	39,861	42,841	71,283	105,641	97,855	93,070	103,352	77,000
United States Arms Control & Disarmament Agency ²¹	20	100	290	479	573	250	90	200
United States Information Agency	450	100	0	1,125	559	289	150	136
US Internat'l Trade Commission	9,065	9,885	12,280	12,152	9,364	12,152	12,695	12,511

- 1 The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- 2 The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- 3 The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- 4 The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- 5 This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- 6 The Department of the Army, Civil functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.
- 7 In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.
- 8 Obligations reported for the Administration for Children & Families may be incomplete for fiscal year 1992 due to unavailability of data.
- 9 In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.
- 10 Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- 11 As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- 12 As of FY 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- 13 The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- 14 The Bureau of Prisons was formerly listed as the Federal Prison System.
- 15 Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.
- 16 The name of this agency changed from the Urban Mass Transit Administration to the Federal Transit Administration on Dec. 18, 1991.
- 17 Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission.
- 18 Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.
- 19 In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.
- 20 The United States Secret Service was formerly listed as the Office of Protective Research.
- 21 Fiscal year 1994 figures for the United States Arms Control & Disarmament Agency are estimates based on the agency's Vol. 43 submission.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 10. Federal obligations to industrial performers for research and development, by agency:
fiscal years 1974-81**

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981
Total, all agencies	7,752,337	8,423,242	9,340,294	10,717,226	11,399,984	12,172,401	12,969,145	14,867,893
Departments:								
Department of Agriculture, total	798	1,635	524	6,610	7,074	4,699	5,721	8,845
Agricultural Marketing Svc ¹	0	0	0	0	0	75	25	0
Agricultural Research Service	NA	NA	NA	NA	NA	NA	NA	8,792
Forest Service	530	1,149	245	607	808	571	103	53
Science & Education								
Administration	268	486	279	6,003	6,266	4,053	5,593	NA
Department of Commerce, total	38,130	33,835	28,206	24,908	32,166	35,914	33,597	13,549
Economic Development Admin	424	525	551	997	1,305	4,022	2,554	2,134
Maritime Administration ²	21,538	18,728	14,527	11,444	16,717	15,843	16,297	NA
Minority Business Dvlpmnt Agcy	0	632	93	319	0	0	0	0
National Fire Prevention & Control Administration ³	NA	0	269	236	NA	NA	NA	NA
Nat'l Inst of Standards & Tech	234	415	99	312	2,146	4,689	3,600	2,920
National Oceanic & Atmospheric Administration	15,934	13,535	12,667	11,600	11,998	11,360	11,146	8,495
Department of Defense, total	5,173,244	5,640,281	6,018,840	6,997,332	7,316,452	7,695,290	9,022,449	10,825,900
Department of the Army, total	1,219,071	1,086,219	1,160,039	1,443,104	1,511,274	1,551,128	1,742,195	1,913,516
Department of the Army, Civil Functions	500	316	2,636	1,664	1,470	1,115	1,970	2,271
Department of the Army, Military Functions	1,218,571	1,085,903	1,157,403	1,441,440	1,509,804	1,550,013	1,740,225	1,911,245
Department of the Navy	1,547,028	1,882,054	1,961,863	2,288,694	2,453,636	2,506,605	3,003,987	3,072,106
Dept of the Air Force	2,196,617	2,446,668	2,638,549	2,921,518	2,931,211	3,119,649	3,653,786	5,084,378
Defense Agencies	203,350	221,581	257,131	341,576	414,647	515,352	621,084	755,900
Defense Civil Preparedness Agency ⁴	950	583	245	622	2,937	NA	NA	NA
Test & Evaluation, Deputy Under Secretary of Defense	6,228	3,176	1,013	1,818	2,747	2,556	1,397	0
Department of Education	NA	NA	NA	NA	NA	8,479	12,983	0
Department of Energy ⁵	NA	NA	NA	1,205,559	1,415,716	1,547,875	1,377,006	1,331,154
Department of Health, Education, & Welfare, total	142,300	121,632	138,279	144,037	143,308	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	2,748	3,760	7,426	4,103	3,907	NA	NA	NA
Center for Disease Control	8,060	3,632	2,616	4,382	4,332	NA	NA	NA
Food & Drug Administration	6,214	2,463	2,765	5,418	6,113	NA	NA	NA
Health Care Financing Admin	NA	NA	NA	11,675	6,836	NA	NA	NA
Health Resources Admin	7,603	1,639	310	0	0	NA	NA	NA
Health Services Administration	1,301	1,135	0	1,992	2,378	NA	NA	NA
National Inst of Education	3,919	2,700	3,962	4,857	7,522	NA	NA	NA
National Institutes of Health	101,799	98,529	104,922	101,108	98,884	NA	NA	NA
Office of Assistant Secretary for Health	0	0	0	249	1,082	NA	NA	NA
Office of Education	4,082	1,795	3,020	1,899	4,242	NA	NA	NA
Office of Human Dvlpmnt Svcs	3,965	2,822	6,271	4,981	4,797	NA	NA	NA
Office of the Secretary	603	470	3,082	2,328	2,692	NA	NA	NA
Social & Rehabilitation Svc	1,844	1,439	86	NA	NA	NA	NA	NA
Social Security Administration	162	1,248	3,819	1,045	523	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

**Table 10. Federal obligations to industrial performers for research and development, by agency:
fiscal years 1974-81**

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981
Dept of Hlth & Human Svcs, total	NA	NA	NA	NA	NA	151,437	180,925	161,312
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	NA	4,595	7,563	4,437
Centers for Disease Control & Prevention	NA	NA	NA	NA	NA	6,251	6,593	9,106
Food & Drug Administration	NA	NA	NA	NA	NA	3,770	4,680	3,818
Health Care Financing Admin	NA	NA	NA	NA	NA	10,273	19,081	14,278
Human Development Services	NA	NA	NA	NA	NA	2,977	8,818	7,847
National Institutes of Health	NA	NA	NA	NA	NA	117,148	126,467	115,509
Office of the Assistant Secretary for Health	NA	NA	NA	NA	NA	3,925	4,506	4,185
Office of the Secretary	NA	NA	NA	NA	NA	1,355	1,932	1,890
Social Security Administration	NA	NA	NA	NA	NA	1,143	1,285	242
Dept of Housing & Urban Dvlpmnt	17,696	18,770	26,000	10,894	17,896	21,301	20,959	13,766
Department of the Interior, total	28,538	66,864	65,167	37,813	69,644	66,896	73,962	62,010
Bonneville Power Admin	699	2,684	2,948	0	0	0	0	8,147
Bureau of Mines	16,680	52,564	51,299	30,059	50,876	52,565	47,785	40,627
Bureau of Reclamation	1,566	1,391	1,617	919	1,567	2,052	2,346	1,765
Geological Survey	828	1,886	525	765	988	833	5,931	4,382
National Park Service	0	387	390	321	114	95	0	828
Office of the Secretary	0	548	530	1,619	355	412	472	308
Office of Surface Mining Reclamation & Enforcement	NA	NA	NA	0	510	160	1,660	424
Office of Water Rsch & Tech	8,765	6,929	7,640	3,830	14,984	10,196	15,258	5,020
US Fish & Wildlife Svc	0	475	218	300	250	583	510	509
Department of Justice, total	6,135	1,665	2,066	5,185	6,691	5,276	6,251	5,196
Bureau of Prisons	14	73	60	20	50	0	0	0
Drug Enforcement Admin	2,352	540	850	1,350	1,400	1,800	2,100	900
Federal Bureau of Investigation	1,680	997	1,024	1,200	1,550	2,855	1,227	425
Immigration & Naturalization Service	0	55	132	253	62	122	190	52
Office of Justice Programs	2,089	0	0	2,362	3,300	158	1,764	3,266
Office of Legal Policy	0	0	0	0	329	341	970	553
Department of Labor, total	2,097	4,832	5,657	7,658	7,391	28,677	19,800	8,575
Bureau of Labor Statistics	0	0	0	0	60	57	65	0
Employment Standards Admin	0	0	0	0	122	249	450	293
Employment & Training Admin	1,610	2,550	2,984	3,617	4,619	22,892	13,383	4,930
Labor-Management Svcs Admin	157	0	0	767	1,012	583	318	45
Occupational Safety & Health Administration	194	1,796	2,600	3,245	869	4,701	5,366	2,870
Office of the Secretary	136	486	73	29	709	195	218	0
Pension Benefit Guaranty Corp	NA	NA	NA	NA	NA	NA	NA	437
Department of State, total ⁶	628	1,758	1,758	2,353	8,963	1,344	928	651
Agency for Internat'l Dvlpmnt ⁶	65	1,292	1,220	1,718	7,376	NA	NA	NA
Departmental Funds	563	466	538	635	1,587	1,344	928	651
Dept of Transportation, total	204,705	161,911	158,710	164,473	191,399	184,128	161,778	193,202
Coast Guard	15,096	11,132	8,200	13,335	17,198	14,500	11,300	11,811
Federal Aviation Admin	82,511	68,436	64,083	66,901	72,508	74,768	66,182	76,854
Federal Highway Administration	9,085	8,827	6,600	6,214	5,025	5,478	5,647	5,893
Federal Railroad Admin	20,304	18,832	26,803	23,724	30,223	24,731	26,327	20,578
Federal Transit Administration	40,635	28,770	30,249	26,332	30,267	23,560	10,086	19,935
Maritime Administration ²	NA	NA	NA	NA	NA	NA	NA	12,337
National Highway Traffic Safety Administration	26,508	15,521	13,083	17,647	25,051	31,501	36,320	39,176
Office of the Secretary	10,566	10,393	9,692	10,320	10,505	7,290	4,956	3,555
Rsch & Special Programs Admin	NA	NA	NA	0	622	2,300	960	3,063
Department of the Treasury, total	0	47	225	410	2,620	5,085	4,654	5,655
Bureau of Alcohol, Tobacco, & Firearms	0	0	0	160	0	1,060	333	0
Bureau of Engraving & Printing	0	47	142	0	753	986	500	250
Internal Revenue Service	0	0	0	0	462	1,935	636	1,436
United States Customs Service	0	0	83	250	1,405	1,104	2,835	3,333
United States Secret Service	NA	NA	NA	NA	NA	NA	350	636
Department of Veterans Affairs	277	321	490	1,064	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table 10. Federal obligations to industrial performers for research and development, by agency:
fiscal years 1974-81**

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981
Other agencies:								
ACTION	0	69	15	0	30	0	0	0
Appalachian Regional Commission	NA	NA	684	404	323	518	440	95
Community Services Admin	8,622	0	0	0	0	0	0	0
Consumer Product Safety Comm	0	248	587	1,517	1,410	1,365	1,532	160
Energy Research & Dvlpmt Admin ⁵ ..	263,855	501,588	758,261	NA	NA	NA	NA	NA
Environmental Protection Agency	60,888	51,878	67,086	77,937	103,249	112,320	90,118	79,664
Federal Communications Comm	153	329	548	352	625	1,503	1,224	673
Federal Emergency Management Agency, total ^{4 3}	NA	NA	NA	NA	385	2,150	2,210	2,694
National Fire Prevention & Control Administration ³	NA	NA	NA	NA	385	0	0	0
Federal Energy Administration	0	1,030	1,592	NA	NA	NA	NA	NA
Foundation for Educational Assistance	NA	NA	NA	NA	NA	NA	NA	11,149
General Services Administration	1,032	1,391	877	746	1,119	445	124	118
International Development Cooperation Agency ⁶	NA	NA	NA	NA	NA	4,195	4,733	9,127
Agency for Internat'l Dvlpmt ⁶	NA	NA	NA	NA	NA	4,195	4,733	9,127
Library of Congress	0	67	0	340	383	500	500	300
Nat'l Aeronautics & Space Admin	1,784,853	1,791,797	2,042,054	2,002,435	2,042,893	2,269,462	1,923,641	2,096,328
National Science Foundation	14,716	17,744	15,369	15,271	22,092	16,334	16,305	29,558
Nuclear Regulatory Commission	3,068	2,515	6,548	8,209	5,569	4,340	5,301	6,501
Office of Personnel Management	NA	NA	NA	NA	0	500	160	375
Off of Telecommunications Policy	100	607	298	NA	NA	NA	NA	NA
Office of Thrift Supervision	0	0	0	0	0	0	0	87
Small Business Administration	0	156	0	134	0	0	0	0
United States Arms Control & Disarmament Agency	497	272	453	1,579	2,564	2,351	1,841	1,223
United States Information Agcy ⁷	5	0	0	6	22	17	3	26

¹ Although the Agricultural Marketing Service was established in April 1972, fiscal year 1979 was the first year in which Congress appropriated funds to this agency.

² In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

³ Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

⁴ Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

⁵ In 1977 the Energy Research & Development Administration became part of the Department of Energy.

⁶ The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on Oct. 1, 1979.

⁷ Data reported for the United States Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 10A. Federal obligations to industrial performers for research and development, by agency:
fiscal years 1982-89**

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	1982	1983	1984	1985	1986	1987	1988	1989
Total, all agencies	17,192,224	17,019,728	18,610,379	21,704,865	24,201,180	26,768,186	26,719,194	28,547,918
Departments:								
Department of Agriculture, total	2,501	1,623	3,104	5,388	10,089	5,322	6,321	5,854
Agricultural Marketing Svc ¹	0	0	0	0	0	0	70	0
Cooperative State Research, Education, & Extension Svc	0	0	1,381	2,911	3,502	3,755	3,737	3,926
Forest Service	371	403	223	376	520	1,122	740	535
Grain Inspection Packers & Stockyards Administration	0	0	0	385	0	0	0	0
Human Nutrition Information Svc	2,130	1,200	1,500	1,716	6,067	445	1,774	1,393
National Agricultural Statistics Service	0	20	0	0	0	0	0	0
Department of Commerce, total	20,493	22,102	38,624	37,789	34,839	32,094	20,530	22,314
Economic Development Admin	108	780	0	0	0	119	117	0
Nat'l Inst of Standards & Tech	3,153	2,146	951	1,262	1,165	904	762	892
National Oceanic & Atmospheric Administration	17,232	19,176	37,673	36,281	33,674	31,071	19,651	21,422
National Telecommunications & Information Administration	0	0	0	246	0	0	0	0
Department of Defense, total	13,794,516	14,541,130	15,966,819	18,944,198	21,502,381	23,933,618	23,294,621	24,734,377
Department of the Army, total	2,147,887	2,093,381	2,194,934	2,124,313	2,381,243	3,045,053	2,727,671	3,415,558
Department of the Army, Civil Functions	2,280	2,179	2,148	2,511	2,556	2,314	2,525	2,841
Department of the Army, Military Functions	2,145,607	2,091,202	2,192,786	2,121,802	2,378,687	3,042,739	2,725,146	3,412,717
Department of the Navy	3,712,632	3,569,028	4,434,144	5,645,546	5,903,075	5,930,796	5,679,038	5,803,083
Dept of the Air Force	7,005,949	7,769,996	8,675,650	9,520,256	9,963,617	11,684,906	11,490,694	11,494,007
Defense Agencies	925,577	1,108,307	660,878	1,651,798	3,196,820	3,225,932	3,313,604	3,961,431
Operational Test & Evaluation, Director	NA	NA	NA	NA	0	4,152	4,323	11,752
Test & Evaluation, Deputy Under Secretary of Defense	2,471	418	1,213	2,285	57,626	42,779	79,291	48,546
Department of Education	4,345	5,982	11,215	12,072	10,934	13,073	8,328	10,330
Department of Energy ²	1,450,741	1,044,995	904,472	799,048	738,219	652,750	737,031	650,559
Dept of Hlth & Human Svcs, total	122,963	126,225	175,887	163,838	186,551	248,353	280,106	331,930
Alcohol, Drug Abuse, & Mental Health Administration	4,484	10,313	14,567	12,101	14,972	13,469	16,020	20,359
Centers for Disease Control & Prevention	6,953	6,941	1,501	1,446	1,753	2,178	4,291	4,357
Health Care Financing Admin	9,101	6,234	16,572	9,841	10,397	9,533	8,419	14,589
Health Resources & Svcs Admin	0	0	636	120	0	0	0	0
Human Development Services	5,500	4,442	3,851	5,346	8,186	7,531	2,162	1,340
National Institutes of Health	93,010	94,463	132,988	131,302	146,420	210,093	243,439	282,594
Office of the Assistant Secretary for Health	2,104	1,330	1,900	1,882	3,169	2,774	3,377	6,180
Office of the Secretary	1,458	1,422	1,622	1,466	1,654	1,991	1,808	2,016
Social Security Administration	353	1,080	2,250	334	0	784	590	495
Dept of Housing & Urban Dvlpmnt	5,660	5,587	6,225	3,153	3,272	2,649	3,191	3,994
Department of the Interior, total	28,876	20,884	19,947	5,653	9,739	9,918	23,430	26,551
Bureau of Mines	19,521	15,418	12,292	0	675	386	14,608	15,209
Bureau of Reclamation	1,314	853	1,498	1,915	2,000	1,129	18	0
Geological Survey ³	4,316	2,959	4,594	3,421	5,807	7,891	8,109	10,872
Minerals Management Service	0	125	125	200	234	171	155	90
Office of the Secretary	0	0	0	0	0	0	341	380
Office of Surface Mining Reclamation & Enforcement	385	778	106	117	1,023	341	199	0
Office of Water Rsch & Tech ³	2,840	751	482	NA	NA	NA	NA	NA
US Fish & Wildlife Svc	500	0	850	0	0	0	0	0
Department of Justice, total	7,065	9,200	6,092	13,111	13,498	12,092	6,241	6,340
Bureau of Prisons	0	0	0	0	900	65	119	171
Drug Enforcement Admin	2,400	1,900	1,500	900	1,700	1,500	1,800	1,523
Federal Bureau of Investigation	2,473	2,268	697	8,400	6,100	6,800	0	0
Immigration & Naturalization Service	548	509	509	360	360	360	296	45
Office of Justice Programs	1,562	4,367	3,386	3,451	4,438	3,367	4,026	4,601
Office of Legal Policy	82	156	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table 10A. Federal obligations to industrial performers for research and development, by agency:
fiscal years 1982-89**

[Dollars in thousands]

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Agency and subdivision	1982	1983	1984	1985	1986	1987	1988	1989
Department of Labor, total	5,052	6,538	6,260	5,447	5,377	5,611	9,689	8,084
Employment Standards Admin	0	368	0	0	0	735	0	0
Employment & Training Admin	100	290	699	100	1,883	0	3,945	2,556
Labor-Management Relations & Cooperative Programs ⁴	NA	NA	0	137	25	32	15	0
Occupational Safety & Health Administration	3,909	4,838	4,675	4,080	3,180	3,708	3,800	4,188
Office of the Secretary	0	0	0	0	199	189	806	841
Pension Benefit Guaranty Corp	1,043	1,042	300	180	90	270	270	0
Pension & Welfare Benefits Administration	NA	NA	586	950	0	677	853	499
Department of State	645	647	557	216	220	131	46	59
Dept of Transportation, total	155,067	179,642	188,150	205,364	188,412	109,772	101,861	84,248
Coast Guard	8,954	7,197	4,492	2,706	3,216	3,364	4,792	4,942
Federal Aviation Admin	58,261	77,302	133,339	160,323	147,034	54,803	51,145	15,619
Federal Highway Administration	10,640	14,350	16,052	16,864	17,998	34,321	38,203	53,377
Federal Railroad Admin	9,080	11,467	2,618	809	2,256	813	662	564
Federal Transit Administration	26,889	22,640	9,400	4,953	3,661	1,760	0	0
Maritime Administration	7,861	13,206	5,550	10,080	6,463	4,126	363	0
National Highway Traffic Safety Administration	31,689	31,170	15,204	8,604	6,306	10,162	6,446	7,998
Office of the Secretary	493	1,810	1,168	938	1,448	393	225	1,728
Rsch & Special Programs Admin ..	1,200	500	327	87	30	30	25	20
Department of the Treasury, total	5,345	6,874	5,170	9,600	10,307	13,059	13,766	12,892
Bureau of Engraving & Printing	1,987	1,916	1,368	2,032	1,293	1,625	392	0
Internal Revenue Service	425	1,736	1,990	4,446	3,958	4,120	4,061	3,841
United States Customs Service	2,933	3,222	1,635	2,073	4,620	6,855	8,993	6,628
United States Mint	0	0	0	529	284	205	99	2,003
United States Secret Service	0	0	177	520	152	254	221	420
Department of Veterans Affairs	220	0	0	0	0	0	0	0
Other agencies:								
Appalachian Regional Commission	150	162	250	100	126	55	95	0
Consumer Product Safety Comm	0	0	0	416	183	727	348	520
Environmental Protection Agency	102,635	92,732	98,208	124,572	124,569	172,065	161,093	142,516
Federal Communications Comm	97	12	0	0	0	0	0	0
Federal Emergency Management Agency, total	2,285	1,112	3,738	1,399	0	0	0	0
General Services Administration ⁵	0	0	493	66	498	116	61	0
International Development Cooperation Agency	18,593	16,720	7,842	8,947	7,982	11,087	30,374	15,904
Agency for Internat'l Dvlpmnt	18,593	16,720	7,842	8,947	7,982	11,087	30,374	15,904
Library of Congress	430	551	375	375	227	160	271	0
Nat'l Aeronautics & Space Admin	1,432,593	901,847	1,120,182	1,311,876	1,276,774	1,479,327	1,961,867	2,425,921
Nat'l Archives & Records Admin ⁵	NA	NA	NA	0	518	12	0	0
National Science Foundation	25,421	26,062	33,637	41,408	69,141	55,927	50,071	57,111
Nuclear Regulatory Commission	5,510	8,460	10,964	10,297	6,473	6,795	9,038	7,432
Office of Thrift Supervision ⁶	73	0	66	12	0	0	98	160
Tennessee Valley Authority	0	0	5	30	21	0	0	0
United States Arms Control & Disarmament Agency	948	635	725	400	426	153	618	822
United States Information Agency	0	6	1,372	90	404	3,320	99	0

¹ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

² In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

³ As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

⁴ In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations & Cooperative Programs.

⁵ As of 1985 the National Archives & Records Administration is separate from the General Services Administration.

⁶ In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

KEY: NA= Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 10B. Federal obligations to industrial performers for research and development, by agency:
fiscal years 1990-97**

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Total, all agencies	29,370,021	26,420,584	29,744,837	30,219,004	30,454,403	30,468,655	31,267,614	30,712,597
Departments:								
Department of Agriculture, total	6,101	6,197	8,382	7,854	11,681	10,653	10,445	12,269
Cooperative State Research, Education, & Extension Svc ¹	4,037	5,579	5,659	7,135	8,597	10,473	10,266	12,090
Forest Service	341	539	1,489	617	245	180	179	179
Human Nutrition Information Service ²	1,700	79	1,234	102	2,839	NA	NA	NA
National Agricultural Statistics Service	23	0	0	0	0	0	0	0
Department of Commerce, total	44,322	16,994	46,337	94,124	139,522	376,432	397,571	302,775
Economic Development Admin	235	0	0	0	143	461	200	600
Nat'l Inst of Standards & Tech	1,304	7,698	32,724	49,262	59,405	336,079	395,514	300,149
National Oceanic & Atmospheric Administration	42,783	9,296	13,613	44,862	79,974	39,892	1,857	2,026
Department of Defense, total	24,443,383	21,033,635	24,107,482	23,654,190	23,408,070	22,551,796	23,033,835	22,624,668
Department of the Army, total	3,328,109	3,511,031	3,671,049	3,080,419	2,890,234	2,668,872	2,373,380	1,919,337
Department of the Army, Civil Functions ³	2,635	3,231	4,273	3,773	3,925	4,275	2,231	2,749
Department of the Army, Military Functions	3,325,474	3,507,800	3,666,776	3,076,646	2,886,309	2,664,597	2,371,149	1,916,588
Department of the Navy	5,841,204	4,010,158	4,190,140	5,138,905	5,235,983	4,937,778	4,957,236	4,112,994
Dept of the Air Force	11,524,362	9,678,684	11,786,768	11,158,450	11,006,207	10,164,130	10,592,960	11,922,060
Defense Agencies	3,700,021	3,731,324	4,341,048	4,203,720	4,267,294	4,749,243	5,086,752	4,645,691
Operational Test & Evaluation, Director	1,387	805	0	0	10	0	700	700
Test & Evaluation, Deputy Under Secretary of Defense	48,300	101,633	118,477	72,696	8,342	31,773	22,807	23,886
Department of Education	16,260	9,484	8,811	8,017	9,113	7,536	10,464	11,772
Department of Energy	776,814	854,899	1,025,975	1,445,856	1,528,243	1,649,953	1,485,654	1,515,949
Dept of Hlth & Human Svcs, total	358,113	373,043	377,355	342,920	461,982	598,798	547,152	556,837
Administration on Aging ⁴	NA	0	0	0	1,175	2,016	0	0
Administration for Children & Families ⁵ ⁴	NA	2,126	3,527	0	0	0	0	0
Agency for Health Care Policy & Research ⁶	8,162	10,155	14,318	10,038	34,711	30,204	13,462	16,320
Alcohol, Drug Abuse, & Mental Health Administration ⁷	9,214	11,326	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	5,228	1,875	5,470	5,470	6,400	1,058	1,058	1,058
Food & Drug Administration	0	13,878	0	0	0	0	0	0
Health Care Financing Admin	13,316	16,376	15,638	16,781	15,689	27,270	23,900	29,724
Human Development Services ⁴	2,342	NA	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health ⁷	317,312	315,174	333,734	305,709	398,485	535,123	506,732	507,735
Office of the Secretary	2,220	1,598	1,085	1,217	3,022	1,414	2,000	2,000
Social Security Admin ⁸	319	535	3,583	3,705	2,500	1,713	NA	NA

See explanatory information, if any, and SOURCE at end of table.

**Table 10B. Federal obligations to industrial performers for research and development, by agency:
fiscal years 1990-97**

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Dept of Housing & Urban Dvlpmt	3,959	11,192	3,678	3,880	7,936	5,793	10,636	11,504
Department of the Interior, total	27,594	32,795	29,168	29,907	32,496	16,397	15,184	15,589
Bureau of Mines	15,650	14,490	13,745	14,738	15,238	0	NA	NA
Geological Survey ⁹	11,730	17,536	14,366	12,036	12,010	10,954	10,850	11,269
Minerals Management Service	39	219	282	1,191	3,804	3,712	2,681	2,680
National Biological Svc ¹⁰	NA	NA	NA	0	53	53	NA	NA
National Park Service ¹⁰	0	0	0	1,667	1,368	1,640	1,640	1,640
Office of the Secretary	175	550	775	275	23	38	13	0
Department of Justice, total	5,117	7,778	7,994	2,600	3,004	1,192	1,240	500
Bureau of Prisons ¹¹	0	150	50	0	0	0	0	0
Drug Enforcement Admin	1,621	1,500	780	670	650	350	700	0
Immigration & Naturalization Service	360	360	0	0	0	0	0	0
Office of Justice Programs	3,136	5,768	7,164	1,930	2,354	842	540	500
Department of Labor, total	8,602	17,870	11,831	13,264	17,414	11,128	10,565	9,429
Employment & Training Admin	2,778	10,389	4,615	6,500	10,432	3,063	4,530	3,798
Occupational Safety & Health Administration	2,148	2,211	1,949	1,292	2,128	3,084	2,240	2,466
Office of the Secretary	1,971	3,170	2,729	2,618	1,831	2,305	1,921	1,213
Pension Benefit Guaranty Corp	100	100	638	954	1,090	566	397	412
Pension & Welfare Benefits Administration	1,605	2,000	1,900	1,900	1,933	2,110	1,477	1,540
Department of State ¹²	67	67	110	88	70	101	101	101
Dept of Transportation, total	98,305	88,165	117,712	136,322	230,691	268,628	231,900	264,076
Coast Guard	5,983	6,705	5,117	8,850	5,975	5,219	5,411	5,435
Federal Aviation Admin	29,117	6,839	22,011	66,330	118,298	121,874	83,388	77,150
Federal Highway Administration	53,643	61,935	75,276	44,718	92,644	119,189	118,697	155,381
Federal Railroad Admin	1,225	2,807	5,698	6,328	3,089	4,278	4,434	2,450
Federal Transit Admin ¹³	0	0	0	0	750	2,048	695	500
Maritime Administration	622	470	565	690	493	969	0	1,227
National Highway Traffic Safety Administration	4,085	8,110	7,290	7,369	5,221	11,813	11,976	14,982
Office of the Secretary	2,965	1,009	1,235	1,015	830	1,000	0	0
Rsch & Special Programs Admin ..	665	290	520	1,022	3,391	2,238	7,299	6,951
Department of the Treasury, total	12,188	9,545	8,204	3,182	3,324	7,491	8,113	5,189
Internal Revenue Service ¹⁴ ¹⁵	5,931	5,931	5,931	0	0	0	0	0
United States Customs Service	6,000	3,384	1,973	2,775	2,585	6,915	7,611	4,533
United States Mint	15	0	0	93	531	270	182	336
United States Secret Service ¹⁶	242	230	300	314	208	306	320	320
Other agencies:								
Appalachian Regional Commission	142	332	1,759	0	0	300	100	100
Consumer Product Safety Comm	37	99	66	103	65	3	0	0
Environmental Protection Agency	177,113	161,575	146,231	265,958	199,829	150,093	124,399	158,108
International Development Cooperation Agency	26,548	19,464	25,856	9,177	10,146	12,159	9,698	9,738
Agency for Internat'l Dvlpmt ¹²	26,548	19,464	25,856	9,177	10,146	12,159	9,698	9,738

See explanatory information, if any, and SOURCE at end of table.

**Table 10B. Federal obligations to industrial performers for research and development, by agency:
fiscal years 1990-97**

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Nat'l Aeronautics & Space Admin	3,284,775	3,666,972	3,765,022	4,112,193	4,304,780	4,686,599	5,258,376	5,062,671
Nat'l Archives & Records Admin	40	0	0	0	0	0	0	0
National Science Foundation	72,145	102,806	44,097	74,191	78,822	108,611	106,461	124,621
Nuclear Regulatory Commission	8,223	7,451	7,449	14,235	6,490	4,096	3,632	2,035
Social Security Administration ⁸	NA	NA	NA	NA	NA	NA	1,633	23,866
United States Arms Control & Disarmament Agency ¹⁷	173	221	1,318	943	725	896	455	800

- ¹ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ³ The Department of the Army, Civil functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.
- ⁴ In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.
- ⁵ Obligations reported for the Administration for Children & Families may be incomplete for fiscal year 1992 due to unavailability of data.
- ⁶ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.
- ⁷ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ⁸ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- ⁹ As of FY 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ¹⁰ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ¹¹ The Bureau of Prisons was formerly listed as the Federal Prison System.
- ¹² Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.
- ¹³ The name of this agency changed from the Urban Mass Transit Administration to the Federal Transit Administration on Dec. 18, 1991.
- ¹⁴ Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission.
- ¹⁵ Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.
- ¹⁶ The United States Secret Service was formerly listed as the Office of Protective Research.
- ¹⁷ Fiscal year 1994 figures for the United States Arms Control & Disarmament Agency are estimates based on the agency's Vol. 43 submission.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

Table 11. Federal obligations to university and college performers for research and development, by agency: fiscal years 1974-81

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981
Total, all agencies	2,213,957	2,411,432	2,551,801	2,905,475	3,374,631	3,888,844	4,263,432	4,465,755
Departments:								
Department of Agriculture, total	94,781	108,162	119,646	140,059	186,370	199,772	216,405	242,717
Agricultural Cooperative Svc	NA	NA	NA	NA	NA	NA	215	526
Agricultural Marketing Svc ¹	0	0	0	0	0	25	25	30
Agricultural Research Service	NA	NA	NA	NA	NA	NA	NA	34,880
Cooperative State Research, Education, & Extension Svc	NA	NA	NA	NA	NA	NA	NA	191,573
Economic Research Service	NA	NA	NA	NA	NA	NA	NA	1,847
Economics, Statistics, & Cooperative Service ²	443	567	879	824	2,184	956	NA	NA
Economics & Statistics Svc ³	NA	NA	NA	NA	NA	NA	1,695	NA
Forest Service	3,947	5,551	4,718	6,920	10,023	9,506	9,600	13,013
National Agricultural Statistics Service	0	0	0	NA	NA	NA	NA	848
Science & Education Administration	90,391	102,044	114,049	132,315	174,163	189,285	204,870	NA
Department of Commerce, total	19,816	21,604	27,883	26,714	35,707	33,227	47,804	45,979
Bureau of the Census	100	115	175	167	136	158	356	165
Economic Development Admin	741	547	3,373	5,000	7,502	4,100	4,400	3,800
Maritime Administration ⁴	78	493	800	200	500	1,181	658	NA
Minority Business Dvlpmt Agcy	45	63	0	0	0	0	0	0
National Fire Prevention & Control Administration ⁵	NA	805	1,179	1,845	NA	NA	NA	NA
Nat'l Inst of Standards & Tech	1,030	741	607	856	619	863	1,070	1,423
National Oceanic & Atmospheric Administration	17,822	18,840	21,749	18,646	26,950	26,925	41,320	40,591
Department of Defense, total	197,351	203,441	240,453	273,335	383,225	438,098	495,314	572,877
Department of the Army, total	42,706	40,139	45,793	56,962	61,982	61,056	59,730	64,518
Department of the Army, Civil Functions	1,710	1,724	5,190	898	2,334	1,938	2,382	2,419
Department of the Army, Military Functions	40,996	38,415	40,603	56,064	59,648	59,118	57,348	62,099
Department of the Navy	57,224	57,959	57,678	66,507	179,211	209,369	207,690	228,601
Dept of the Air Force	60,372	71,768	82,654	104,035	112,438	134,322	190,395	237,766
Defense Agencies	36,739	33,383	54,248	45,691	29,374	33,351	37,499	41,854
Defense Civil Preparedness Agency ⁶	310	192	80	140	220	NA	NA	NA
Test & Evaluation, Deputy Under Secretary of Defense	0	0	0	0	0	0	0	138
Department of Education	NA	NA	NA	NA	NA	69,021	74,279	0
Department of Energy ⁷	NA	NA	NA	188,184	240,074	260,090	285,014	300,460
Department of Health, Education, & Welfare, total	1,207,672	1,279,176	1,365,034	1,504,925	1,702,293	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	80,591	76,896	78,168	87,743	94,534	NA	NA	NA
Center for Disease Control	4,764	4,622	2,941	5,358	6,188	NA	NA	NA
Food & Drug Administration	13,977	8,377	7,682	8,425	11,237	NA	NA	NA
Health Care Financing Admin	NA	NA	NA	1,727	1,700	NA	NA	NA
Health Resources Admin	20,793	19,811	15,936	7,114	4,800	NA	NA	NA
Health Services Administration	3,188	7,147	5,567	6,474	5,518	NA	NA	NA
National Inst of Education	19,823	15,000	16,851	16,705	26,412	NA	NA	NA
National Institutes of Health Office of Assistant Secretary for Health	1,027,171	1,076,633	1,184,517	1,311,431	1,492,975	NA	NA	NA
for Health	0	0	0	11,997	10,821	NA	NA	NA
Office of Education	11,174	10,647	21,887	12,040	12,198	NA	NA	NA
Office of Human Dvlpmt Svcs	20,977	52,505	24,440	32,786	32,088	NA	NA	NA
Office of the Secretary	3,082	3,073	3,066	2,567	2,696	NA	NA	NA
Social & Rehabilitation Svc	1,988	1,727	2,378	NA	NA	NA	NA	NA
Social Security Administration	144	2,738	1,601	558	1,126	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

**Table 11. Federal obligations to university and college performers for research and development, by agency:
fiscal years 1974-81**

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981
Dept of Hlth & Human Svcs, total	NA	NA	NA	NA	NA	1,941,917	2,075,627	2,184,925
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	NA	115,154	123,758	116,316
Centers for Disease Control & Prevention	NA	NA	NA	NA	NA	6,670	7,670	6,394
Food & Drug Administration	NA	NA	NA	NA	NA	8,493	6,895	5,726
Health Care Financing Admin	NA	NA	NA	NA	NA	4,968	7,084	10,075
Health Resources Admin	NA	NA	NA	NA	NA	4,794	4,676	4,516
Health Services Administration	NA	NA	NA	NA	NA	6,205	6,715	3,865
Human Development Services	NA	NA	NA	NA	NA	12,441	12,951	33,926
National Institutes of Health	NA	NA	NA	NA	NA	1,765,256	1,888,075	1,984,366
Office of the Assistant Secretary for Health	NA	NA	NA	NA	NA	14,333	11,474	14,391
Office of the Secretary	NA	NA	NA	NA	NA	2,621	2,900	1,515
Social Security Administration	NA	NA	NA	NA	NA	982	3,429	3,835
Dept of Housing & Urban Dvlpmnt	2,351	2,650	1,534	3,462	5,664	5,070	5,314	4,808
Department of the Interior, total	21,948	28,737	26,399	26,194	36,040	42,981	41,868	39,355
Bonneville Power Admin	56	85	226	0	0	0	0	546
Bureau of Land Management	263	392	418	330	655	614	938	888
Bureau of Mines	4,368	7,421	7,384	5,692	7,282	7,216	5,175	5,162
Bureau of Reclamation	1,458	1,409	743	2,329	2,156	2,800	4,132	3,217
Geological Survey	1,708	4,020	3,493	4,140	9,236	10,611	10,645	8,990
National Park Service	1,801	4,067	4,098	2,720	3,816	2,926	2,091	2,175
Office of the Secretary	0	477	50	402	287	0	0	0
Office of Surface Mining Reclamation & Enforcement	NA	NA	NA	0	208	2,868	4,867	3,807
Office of Water Rsch & Tech	11,469	10,138	9,117	9,781	10,700	13,917	12,100	13,070
US Fish & Wildlife Svc	825	728	870	800	1,700	2,029	1,920	1,500
Department of Justice, total	2,245	8,902	3,511	5,746	8,790	9,079	9,189	8,818
Bureau of Prisons	95	42	211	210	461	1,211	300	500
Drug Enforcement Admin	258	418	300	0	0	0	0	0
Office of Justice Programs	1,892	8,442	3,000	5,536	8,289	7,000	8,249	8,171
Office of Legal Policy	0	0	0	0	40	868	640	147
Department of Labor, total	9,732	5,531	4,975	7,172	11,925	11,579	12,938	9,764
Employment Standards Admin	0	0	0	75	370	294	150	10
Employment & Training Admin	7,571	4,800	4,258	5,675	10,440	10,570	12,166	9,405
Labor-Management Svcs Admin	217	363	131	1,347	177	700	608	297
Occupational Safety & Health Administration	895	0	0	55	231	0	0	52
Office of the Secretary	1,049	368	586	20	707	15	14	0
Department of State, total ⁸	12,527	10,973	12,027	27,702	19,907	281	168	55
Agency for Internat'l Dvlpmnt ⁸	12,301	10,756	11,719	27,412	19,368	NA	NA	NA
Departmental Funds	226	217	308	290	539	281	168	55
Dept of Transportation, total	21,542	25,840	14,800	20,000	18,800	19,901	28,200	28,491
Coast Guard	570	676	500	600	500	600	700	270
Federal Aviation Admin	1,060	3,197	800	1,500	600	100	244	444
Federal Highway Administration	10,200	11,004	5,600	9,200	8,300	9,000	8,168	8,500
Federal Railroad Admin	359	720	700	400	500	533	766	608
Federal Transit Administration	2,250	2,204	600	2,000	2,000	2,838	9,184	9,617
Maritime Administration ⁴	NA	NA	NA	NA	NA	NA	NA	735
National Highway Traffic Safety Administration	3,900	2,000	3,000	3,000	3,000	2,830	4,554	4,777
Office of the Secretary	3,203	6,039	3,600	3,300	3,900	100	100	136
Rsch & Special Programs Admin	NA	NA	NA	0	0	3,900	4,484	3,404
Department of the Treasury, total	0	0	0	150	55	143	178	39
Bureau of Alcohol, Tobacco, & Firearms	0	0	0	0	0	25	40	0
United States Customs Service	0	0	0	150	55	118	138	39
Department of Veterans Affairs	1,128	1,112	1,049	1,080	1,294	2,947	1,600	2,097

See explanatory information, if any, and SOURCE at end of table.

Table 11. Federal obligations to university and college performers for research and development, by agency: fiscal years 1974-81

[Dollars in thousands]

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Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981
Other agencies:								
ACTION	0	36	5	0	0	0	0	0
Appalachian Regional Commission	NA	NA	5	0	0	0	0	0
Community Services Admin	3,370	0	0	0	0	0	0	0
Consumer Product Safety Comm	560	646	827	127	0	36	80	0
Energy Research & Dvlpmt Admin ⁷ ..	93,953	131,858	145,109	NA	NA	NA	NA	NA
Environmental Protection Agency	24,121	33,875	29,327	45,610	48,321	49,800	41,083	52,210
Federal Emergency Management Agency, total ⁶	NA	NA	NA	NA	1,499	1,892	1,665	1,649
National Fire Prevention & Control Administration ⁵	NA	NA	NA	NA	1,499	0	0	0
Federal Energy Administration	0	26	226	NA	NA	NA	NA	NA
Foundation for Educational Assistance	NA	NA	NA	NA	NA	NA	NA	41,757
International Development Cooperation Agency ⁸	NA	NA	NA	NA	NA	38,706	77,063	46,362
Agency for Internat'l Dvlpmt ⁸	NA	NA	NA	NA	NA	38,706	77,063	46,362
Nat'l Aeronautics & Space Admin	98,904	108,046	118,886	117,543	127,198	138,699	157,673	171,308
National Science Foundation	389,356	434,868	436,588	510,876	537,168	616,676	684,919	702,139
Nuclear Regulatory Commission	328	725	2,400	4,453	7,981	6,809	5,902	8,123
Office of Personnel Management	NA	NA	NA	NA	0	500	910	1,163
Off of Telecommunications Policy	150	17	54	NA	NA	NA	NA	NA
Office of Thrift Supervision	33	4	34	183	46	0	0	0
Small Business Administration	0	0	47	0	0	0	0	0
Smithsonian Institution	1,923	1,370	848	1,795	1,994	1,224	0	0
Special Action Office for Drug Abuse Prevention	10,014	3,700	NA	NA	NA	NA	NA	NA
Tennessee Valley Authority	94	133	108	135	171	200	0	0
United States Arms Control & Disarmament Agency	58	0	26	30	109	196	239	83
United States Information Agcy ⁹	0	0	0	0	0	0	0	576

¹ Although the Agricultural Marketing Service was established in April 1972, fiscal year 1979 was the first year in which Congress appropriated funds to this agency.

² Data reported for the Economics, Statistics, & Cooperative Service include programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

³ Data reported for the Economics & Statistics Service include programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.

⁴ In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

⁵ Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

⁶ Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

⁷ In 1977 the Energy Research & Development Administration became part of the Department of Energy.

⁸ The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on Oct. 1, 1979.

⁹ Data reported for the United States Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

KEY: NA= Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 11A. Federal obligations to university and college performers for research and development, by agency:
fiscal years 1982-89**

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	1982	1983	1984	1985	1986	1987	1988	1989
Total, all agencies	4,605,472	4,966,438	5,546,902	6,339,720	6,558,797	7,337,252	7,827,691	8,671,966
Departments:								
Department of Agriculture, total	254,970	274,962	261,015	293,197	273,533	279,733	304,888	327,800
Agricultural Cooperative Svc	254	393	642	644	486	239	239	223
Agricultural Marketing Svc ¹	65	345	177	344	94	132	256	37
Agricultural Research Service	33,000	37,026	25,062	17,668	10,530	10,715	11,795	26,224
Animal & Plant Health Inspection Service	0	0	0	0	437	431	246	517
Cooperative State Research, Education, & Extension Svc	208,448	223,598	223,874	263,618	248,971	251,755	275,886	283,631
Economic Research Service	1,494	2,551	2,397	2,800	2,108	1,496	2,332	1,689
Forest Service	9,773	8,557	7,065	6,624	8,246	12,606	12,872	13,460
Grain Inspection Packers & Stockyards Administration	0	0	0	84	237	303	118	229
Human Nutrition Information Svc	1,520	1,800	1,160	703	1,630	1,256	725	1,344
National Agricultural Statistics Service	416	692	638	640	485	268	210	276
Office of International Cooperation & Development	0	0	0	0	259	410	209	170
Office of Transportation	0	0	0	72	50	122	0	NA
Department of Commerce, total	51,266	50,626	50,230	52,471	60,638	36,578	35,941	42,940
Bureau of the Census	149	86	184	146	275	500	1,066	969
Economic Development Admin	3,832	2,745	2,926	1,900	9,700	500	72	725
Nat'l Inst of Standards & Tech	1,961	3,130	3,372	3,990	3,929	4,396	3,906	6,593
National Oceanic & Atmospheric Administration	45,324	44,665	43,748	46,435	46,734	31,182	30,897	34,653
Department of Defense, total	663,615	723,966	830,154	939,978	1,097,778	1,016,978	1,071,007	1,188,705
Department of the Army, total	90,048	105,527	125,084	141,687	161,048	147,819	123,759	123,093
Department of the Army, Civil Functions	2,233	2,295	2,260	2,643	2,690	2,435	2,658	2,989
Department of the Army, Military Functions	87,815	103,232	122,824	139,044	158,358	145,384	121,101	120,104
Department of the Navy	251,299	222,627	273,757	286,250	300,843	386,523	434,933	425,850
Dept of the Air Force	268,669	310,532	343,673	359,220	413,008	239,315	199,787	183,418
Defense Agencies	53,140	83,425	87,022	150,801	220,717	241,521	310,119	455,583
Test & Evaluation, Deputy Under Secretary of Defense	459	1,855	618	2,020	2,162	1,800	2,409	761
Department of Education	66,921	58,056	65,361	76,565	78,696	85,376	93,530	100,019
Department of Energy ²	277,083	296,971	320,825	357,451	344,611	386,467	405,793	453,732
Dept of Hlth & Human Svcs, total	2,175,914	2,428,625	2,755,615	3,203,536	3,283,428	3,953,330	4,254,865	4,641,187
Alcohol, Drug Abuse, & Mental Health Administration	113,829	127,603	155,305	183,540	198,859	264,762	312,690	408,430
Centers for Disease Control & Prevention	7,147	5,152	7,534	6,733	7,189	11,606	10,511	22,129
Food & Drug Administration	4,302	3,647	5,465	3,565	4,581	5,479	5,122	5,122
Health Care Financing Admin	5,340	6,098	5,207	8,913	6,731	6,673	9,017	11,277
Health Resources & Svcs Admin	5,843	8,219	11,608	14,762	6,896	5,042	4,850	5,039
Human Development Services	5,802	2,379	2,861	3,062	8,995	8,199	17,778	15,522
National Institutes of Health	2,026,031	2,264,012	2,560,097	2,973,995	3,043,661	3,638,480	3,886,312	4,156,911
Office of the Assistant Secretary for Health	5,182	7,375	5,428	5,142	4,759	8,600	4,710	9,647
Office of the Secretary	1,246	3,425	1,043	2,728	852	2,793	639	3,458
Social Security Administration	1,192	715	1,067	1,096	905	1,696	3,236	3,652
Dept of Housing & Urban Dvlpmt	969	2,158	435	438	342	463	51	21

See explanatory information, if any, and SOURCE at end of table.

**Table 11A. Federal obligations to university and college performers for research and development, by agency:
fiscal years 1982-89**

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	1982	1983	1984	1985	1986	1987	1988	1989
Department of the Interior, total	34,114	28,576	38,911	34,227	36,440	33,149	35,103	41,981
Bureau of Land Management	1,683	454	400	1,500	900	900	600	600
Bureau of Mines	11,654	11,710	14,683	8,218	10,692	7,491	9,763	12,648
Bureau of Reclamation	2,030	1,592	1,879	2,660	1,600	1,558	211	475
Geological Survey ³	8,507	7,692	12,654	13,962	17,224	15,191	15,622	18,157
Minerals Management Service	0	840	840	566	362	311	225	197
National Park Service	1,657	3,137	4,060	4,276	2,914	4,498	5,548	5,111
Office of Surface Mining								
Reclamation & Enforcement	58	235	251	49	448	300	434	693
Office of Water Rsch & Tech ³	6,525	516	1,544	NA	NA	NA	NA	NA
US Fish & Wildlife Svc	2,000	2,400	2,600	2,996	2,300	2,900	2,700	4,100
Department of Justice, total	5,966	7,156	6,133	5,168	5,095	8,991	6,365	5,781
Bureau of Prisons	185	660	210	210	85	122	0	100
Drug Enforcement Admin	0	0	0	0	0	0	0	205
Office of Justice Programs	5,573	6,405	5,923	4,958	5,000	8,869	6,365	5,476
Office of Legal Policy	208	91	0	0	10	0	0	0
Department of Labor, total	8,381	6,392	4,516	3,417	341	432	5,528	6,749
Bureau of Labor Statistics	0	0	0	0	0	0	4,443	5,800
Employment Standards Admin	230	232	20	17	0	0	0	0
Employment & Training Admin	8,121	6,160	4,201	3,200	0	88	461	130
Labor-Management Relations & Cooperative Programs ⁴	NA	NA	295	145	127	224	336	293
Occupational Safety & Health Administration	30	0	0	10	20	25	0	0
Office of the Secretary	0	0	0	45	194	95	85	526
Pension & Welfare Benefits Administration	NA	NA	0	0	0	0	203	0
Department of State	7	29	28	29	30	432	1,243	1,240
Dept of Transportation, total	18,633	23,096	12,908	10,262	12,520	15,403	16,846	20,664
Coast Guard	31	27	67	121	189	92	402	616
Federal Aviation Admin	257	636	685	988	6,721	2,211	527	875
Federal Highway Administration	8,000	4,068	4,511	4,846	2,940	7,430	12,329	16,147
Federal Railroad Admin	0	0	0	0	0	356	115	50
Federal Transit Administration	5,118	10,397	1,800	899	900	3,600	1,253	809
Maritime Administration	649	800	845	842	478	207	65	0
National Highway Traffic Safety Administration	3,989	3,778	3,000	2,216	1,192	1,407	2,000	2,000
Office of the Secretary	0	240	0	350	100	100	155	167
Rsch & Special Programs Admin	589	3,150	2,000	0	0	0	0	0
Department of the Treasury, total	5	198	293	338	190	100	0	220
Bureau of Engraving & Printing	0	0	0	165	0	0	0	0
Internal Revenue Service	5	198	255	159	100	100	0	220
United States Customs Service	0	0	21	14	90	0	0	0
United States Secret Service	0	0	17	0	0	0	0	0
Department of Veterans Affairs	1,646	800	500	1,000	1,000	2,251	2,300	2,300
Other agencies:								
Appalachian Regional Commission	0	0	0	0	9	60	95	0
Consumer Product Safety Comm	0	0	0	0	30	307	108	105
Environmental Protection Agency	67,798	43,303	46,143	59,955	69,616	67,288	57,927	80,528
Federal Communications Comm	0	50	50	85	40	0	0	0
Federal Emergency Management Agency, total	1,412	201	555	258	0	0	0	0
International Development								
Cooperation Agency	69,597	43,372	64,024	56,960	44,302	54,652	49,535	65,309
Agency for Internat'l Dvlpmt	69,597	43,372	64,024	56,960	44,302	54,652	49,535	65,309

See explanatory information, if any, and SOURCE at end of table.

**Table 11A. Federal obligations to university and college performers for research and development, by agency:
fiscal years 1982-89**

[Dollars in thousands]

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Agency and subdivision	1982	1983	1984	1985	1986	1987	1988	1989
Nat'l Aeronautics & Space Admin	185,630	189,357	203,846	237,260	254,027	293,644	337,930	433,665
National Science Foundation	714,978	783,102	880,219	1,001,806	991,694	1,096,246	1,143,436	1,253,713
Nuclear Regulatory Commission	6,379	5,129	4,560	4,924	3,770	4,059	3,640	4,300
Office of Thrift Supervision ⁵	40	246	62	0	0	0	25	35
Tennessee Valley Authority	0	0	437	200	636	1,299	1,512	948
United States Arms Control & Disarmament Agency	148	67	82	195	31	14	23	24

¹ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

² In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

³ As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

⁴ In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations & Cooperative Programs.

⁵ In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 11B. Federal obligations to university and college performers for research and development, by agency:
fiscal years 1990-97**

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Total, all agencies	9,137,543	10,168,539	10,271,239	11,208,385	11,828,718	11,933,026	12,251,202	12,362,232
Departments:								
Department of Agriculture, total	348,109	385,836	437,967	432,720	438,537	434,544	423,121	420,583
Agricultural Cooperative Svc	223	2	334	297	272	NA	NA	NA
Agricultural Marketing Service	79	225	170	203	273	481	0	0
Agricultural Research Service ¹	32,682	20,958	22,988	22,349	25,221	26,302	27,679	27,679
Animal & Plant Health Inspection Service	387	449	248	1,802	1,204	1,587	1,500	1,500
Cooperative State Research, Education, & Extension Svc ²	298,948	344,586	383,867	380,412	389,064	379,762	368,650	366,112
Economic Research Service	1,288	1,758	2,219	1,848	2,496	3,183	1,882	1,882
Foreign Agricultural Service ³	0	0	0	0	195	114	355	355
Forest Service	12,300	16,469	26,391	24,730	19,467	22,965	22,965	22,965
Grain Inspection Packers & Stockyards Administration ⁴	233	297	327	0	0	0	0	0
Human Nutrition Information Service ¹	1,531	479	917	654	230	NA	NA	NA
National Agricultural Statistics Service	218	263	120	265	115	145	90	90
Office of International Cooperation & Development ³	220	350	386	160	0	NA	NA	NA
Rural Business-Cooperative Service ⁵	NA	NA	NA	NA	0	5	0	0
Department of Commerce, total	50,423	62,723	77,087	53,859	80,236	85,313	76,949	70,791
Bureau of the Census	2,587	2,208	657	0	0	0	0	0
Economic Development Admin	130	513	194	0	113	0	0	0
Nat'l Inst of Standards & Tech	6,763	5,359	6,036	6,229	9,828	11,784	11,186	11,765
National Oceanic & Atmospheric Administration	40,943	54,643	70,200	47,630	70,295	73,529	65,763	59,026
Department of Defense, total	1,213,412	1,151,852	1,402,672	1,615,851	1,735,467	1,592,435	1,379,560	1,287,718
Department of the Army, total	117,244	116,878	130,016	146,440	319,371	237,481	119,084	123,273
Department of the Army, Civil Functions ⁶	2,774	3,400	4,499	3,973	4,132	4,500	1,425	2,895
Department of the Army, Military Functions	114,470	113,478	125,517	142,467	315,239	232,981	117,659	120,378
Department of the Navy	405,526	461,019	451,392	480,114	423,223	446,162	435,202	411,774
Dept of the Air Force	212,882	141,177	154,477	214,571	242,991	190,330	183,702	175,673
Defense Agencies	477,126	431,513	664,014	769,594	749,882	718,462	641,572	576,998
Test & Evaluation, Deputy Under Secretary of Defense	634	1,265	2,773	5,132	0	0	0	0
Department of Education	92,192	100,870	104,643	104,983	109,395	108,456	112,640	112,982
Department of Energy	500,392	620,665	640,419	583,293	564,866	594,317	557,053	574,221
Dept of Hlth & Human Svcs, total	4,874,265	5,658,151	5,187,966	5,975,588	6,321,859	6,394,491	6,995,198	7,087,810
Administration on Aging ⁷	NA	1,229	1,518	4,253	3,062	4,706	0	0
Administration for Children & Families ^{8, 7}	NA	11,700	5,323	2,600	9,957	10,560	7,920	16,720
Agency for Health Care Policy & Research ⁹	23,485	52,561	48,537	53,296	55,175	50,138	22,115	26,811
Alcohol, Drug Abuse, & Mental Health Administration ¹⁰	474,119	858,985	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	29,632	33,604	43,509	42,448	29,872	31,700	31,700	31,700
Food & Drug Administration	5,940	14,690	9,300	8,043	10,128	9,856	9,856	9,856
Health Care Financing Admin	8,369	10,700	7,240	6,066	7,359	5,838	5,200	6,605
Health Resources & Svcs Admin	6,265	5,381	5,668	5,397	12,273	7,845	8,097	7,116
Human Development Services ⁷	16,936	NA	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health ¹⁰	4,304,880	4,662,264	5,063,632	5,847,751	6,191,453	6,271,110	6,908,310	6,987,002
Office of the Assistant Secretary for Health ⁹	0	185	513	665	322	0	0	0
Office of the Secretary	539	3,783	964	3,973	877	1,499	2,000	2,000
Social Security Admin ¹¹	4,100	3,069	1,762	1,096	1,381	1,239	NA	NA

See explanatory information, if any, and SOURCE at end of table.

**Table 11B. Federal obligations to university and college performers for research and development, by agency:
fiscal years 1990-97**

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Dept of Housing & Urban Dvlpmt	118	48	203	402	856	1,613	1,400	987
Department of the Interior, total	49,880	58,537	57,449	59,986	53,942	50,008	54,995	47,774
Bureau of Land Management	350	5,107	2,667	3,661	0	0	0	0
Bureau of Mines	11,702	11,062	11,140	12,255	9,061	0	NA	NA
Bureau of Reclamation	281	0	915	1,000	213	570	300	75
Geological Survey ¹²	24,891	24,669	22,648	18,463	19,019	24,820	37,290	29,750
Minerals Management Service	125	435	343	1,146	8,114	8,324	8,483	8,483
National Biological Svc ^{13 12}	NA	NA	NA	0	8,010	7,448	NA	NA
National Park Service ¹³	5,646	9,124	11,983	15,249	9,525	8,846	8,922	9,466
Office of Surface Mining								
Reclamation & Enforcement	685	1,040	253	496	0	0	0	0
US Fish & Wildlife Svc ¹³	6,200	7,100	7,500	7,716	0	0	0	0
Department of Justice, total	6,668	6,060	4,986	5,929	3,886	7,204	6,275	7,075
Bureau of Prisons ¹⁴	175	0	0	80	0	0	0	0
Drug Enforcement Admin	85	0	0	0	0	0	0	0
Office of Justice Programs	6,408	6,060	4,986	5,849	3,886	7,204	6,275	7,075
Department of Labor, total	5,893	5,548	1,169	6,186	4,250	10,114	5,440	150
Bureau of Labor Statistics	4,800	5,000	0	4,400	4,000	9,321	5,100	0
Employment & Training Admin	764	0	1,000	1,700	200	592	250	150
Office of the Secretary	329	548	169	86	50	161	90	0
Pension & Welfare Benefits								
Administration	0	0	0	0	0	40	0	0
Department of State ¹⁵	1,230	900	200	0	0	0	23	23
Dept of Transportation, total	28,608	21,185	35,015	62,212	61,017	47,972	75,817	67,009
Coast Guard	0	700	700	700	500	500	400	300
Federal Aviation Admin	6,333	7,057	7,486	24,474	20,000	20,400	30,000	35,000
Federal Highway Administration	17,557	10,627	22,594	27,789	30,894	13,619	30,238	15,149
Federal Railroad Admin	170	618	176	100	250	1,300	1,888	1,510
Federal Transit Admin ¹⁶	620	733	759	3,049	3,238	5,650	7,291	8,900
Maritime Administration	0	250	100	100	135	503	0	150
National Highway Traffic Safety								
Administration	3,710	1,000	3,000	6,000	6,000	6,000	6,000	6,000
Office of the Secretary	218	200	0	0	0	0	0	0
Rsch & Special Programs Admin ..	0	0	200	0	0	0	0	0
Department of the Treasury, total	0	0	0	25	1,142	0	557	32
Internal Revenue Service ^{17 18}	0	0	0	0	1,142	0	557	32
United States Customs Service	0	0	0	25	0	0	0	0
Department of Veterans Affairs	2,300	2,300	2,491	2,407	2,350	2,500	1,850	2,000
Other agencies:								
Appalachian Regional Commission	100	20	50	130	0	500	700	700
Consumer Product Safety Comm	65	0	0	0	0	0	0	0
Environmental Protection Agency	87,481	62,678	151,823	92,127	98,241	125,721	104,200	132,434
International Development								
Cooperation Agency	79,415	54,997	32,979	29,278	24,634	30,172	18,894	13,024
Agency for Internat'l Dvlpmt ¹⁵	79,415	54,997	32,979	29,278	24,634	30,172	18,894	13,024

See explanatory information, if any, and SOURCE at end of table.

Table 11B. Federal obligations to university and college performers for research and development, by agency: fiscal years 1990-97

[Dollars in thousands]

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Agency and subdivision	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Nat'l Aeronautics & Space Admin	470,746	533,728	586,299	613,742	641,489	708,064	708,064	708,064
National Science Foundation	1,320,920	1,435,505	1,540,404	1,561,929	1,680,208	1,733,512	1,725,596	1,823,586
Nuclear Regulatory Commission	4,626	5,421	5,885	4,797	6,343	6,090	2,155	3,224
Social Security Administration ¹¹	NA	NA	NA	NA	NA	NA	715	2,045
Tennessee Valley Authority	700	1,496	1,482	2,925	0	0	0	0
United States Arms Control & Disarmament Agency ¹⁹	0	19	50	16	0	0	0	0

- ¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- ⁴ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- ⁵ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- ⁶ The Department of the Army, Civil functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.
- ⁷ In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.
- ⁸ Obligations reported for the Administration for Children & Families may be incomplete for fiscal year 1992 due to unavailability of data.
- ⁹ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.
- ¹⁰ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ¹¹ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- ¹² As of FY 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ¹³ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ¹⁴ The Bureau of Prisons was formerly listed as the Federal Prison System.
- ¹⁵ Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.
- ¹⁶ The name of this agency changed from the Urban Mass Transit Administration to the Federal Transit Administration on Dec. 18, 1991.
- ¹⁷ Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission.
- ¹⁸ Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.
- ¹⁹ Fiscal year 1994 figures for the United States Arms Control & Disarmament Agency are estimates based on the agency's Vol. 43 submission.

KEY: NA= Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 12. Federal obligations to other nonprofit performers for research and development, by agency:
fiscal years 1974-81**

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981
Total, all agencies	672,224	702,342	708,583	800,024	998,178	1,026,490	1,105,568	1,068,781
Departments:								
Department of Agriculture, total	486	221	385	246	268	322	293	2,309
Agricultural Research Service	NA	NA	NA	NA	NA	NA	NA	1,731
Forest Service	188	0	67	34	47	179	95	578
Science & Education Administration	298	221	318	212	221	143	198	NA
Department of Commerce, total	2,132	8,752	8,463	8,230	19,890	19,175	13,370	10,472
Economic Development Admin	482	4,742	4,908	3,445	17,380	16,668	11,318	8,511
Maritime Administration ¹	0	796	617	815	437	100	0	NA
Minority Business Dvlpmt Agcy	640	2,459	1,145	2,452	0	0	0	0
National Fire Prevention & Control Administration ²	NA	0	251	413	NA	NA	NA	NA
Nat'l Inst of Standards & Tech	181	211	150	193	842	97	169	132
National Oceanic & Atmospheric Administration	829	544	1,392	912	1,231	2,310	1,883	1,829
Department of Defense, total	110,406	114,447	110,495	108,510	109,845	118,969	114,365	138,137
Department of the Army, total	20,003	14,978	16,069	20,299	24,891	34,982	17,480	22,388
Department of the Army, Civil Functions	0	0	0	0	76	54	100	114
Department of the Army, Military Functions	20,003	14,978	16,069	20,299	24,815	34,928	17,380	22,274
Department of the Navy	55,536	59,460	53,151	51,262	51,132	37,273	36,677	44,877
Dept of the Air Force	11,120	15,208	9,883	15,882	11,924	22,726	33,695	44,914
Defense Agencies	22,827	24,385	31,217	20,791	20,421	23,988	26,513	25,958
Defense Civil Preparedness Agency ³	920	416	175	276	1,477	NA	NA	NA
Department of Education	NA	NA	NA	NA	NA	57,489	41,753	0
Department of Energy ⁴	NA	NA	NA	40,882	48,070	57,032	58,487	65,574
Department of Health, Education, & Welfare, total	387,668	367,137	400,044	460,268	501,113	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	30,917	19,442	17,079	26,323	23,692	NA	NA	NA
Center for Disease Control	2,294	5,061	5,945	4,904	3,746	NA	NA	NA
Food & Drug Administration	3,061	1,079	1,007	2,193	5,005	NA	NA	NA
Health Care Financing Admin	NA	NA	NA	1,500	970	NA	NA	NA
Health Resources Admin	15,751	8,771	9,245	0	0	NA	NA	NA
Health Services Administration	2,974	3,527	3,944	3,111	2,786	NA	NA	NA
National Inst of Education	37,196	33,794	23,982	24,566	32,543	NA	NA	NA
National Institutes of Health	264,470	281,836	306,011	355,829	383,573	NA	NA	NA
Office of Assistant Secretary for Education	0	475	659	962	1,178	NA	NA	NA
Office of Assistant Secretary for Health	0	0	0	8,638	9,581	NA	NA	NA
Office of Education	5,788	4,732	6,356	5,317	6,004	NA	NA	NA
Office of Human Dvlpmt Svcs	13,649	1,325	19,151	21,851	24,038	NA	NA	NA
Office of the Secretary	9,107	5,907	4,250	4,540	7,401	NA	NA	NA
Social & Rehabilitation Svc	2,461	1,188	1,786	NA	NA	NA	NA	NA
Social Security Administration	0	0	629	534	596	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

**Table 12. Federal obligations to other nonprofit performers for research and development, by agency:
fiscal years 1974-81**

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981
Dept of Hlth & Human Svcs, total	NA	NA	NA	NA	NA	526,249	547,557	560,738
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	NA	32,600	30,932	31,477
Centers for Disease Control & Prevention	NA	NA	NA	NA	NA	5,021	5,209	5,219
Food & Drug Administration	NA	NA	NA	NA	NA	4,531	2,255	3,999
Health Care Financing Admin	NA	NA	NA	NA	NA	90	0	4,493
Health Resources Admin	NA	NA	NA	NA	NA	0	310	434
Health Services Administration	NA	NA	NA	NA	NA	13,756	10,491	6,648
Human Development Services	NA	NA	NA	NA	NA	24,709	19,387	19,281
National Institutes of Health	NA	NA	NA	NA	NA	433,070	467,705	479,246
Office of the Assistant Secretary for Health	NA	NA	NA	NA	NA	4,195	2,034	1,745
Office of the Secretary	NA	NA	NA	NA	NA	8,154	8,768	7,560
Social Security Administration	NA	NA	NA	NA	NA	123	466	636
Dept of Housing & Urban Dvlpmt	10,001	9,008	10,469	15,081	18,697	13,926	15,793	7,536
Department of the Interior, total	579	296	0	50	3,599	4,312	4,274	3,635
Bureau of Mines	516	0	0	0	2,492	3,325	3,360	3,110
National Park Service	18	296	0	50	178	25	157	125
Office of Surface Mining Reclamation & Enforcement	NA	NA	NA	0	929	516	278	0
Office of Water Rsch & Tech	45	0	0	0	0	0	0	0
US Fish & Wildlife Svc	0	0	0	0	0	446	479	400
Department of Justice, total	15,192	23,151	9,644	9,578	35,186	22,030	19,413	6,616
Bureau of Prisons	4	50	70	272	0	935	900	0
Drug Enforcement Admin	286	0	100	0	0	0	0	0
Office of Justice Programs	14,902	23,101	9,474	9,306	34,015	20,645	18,503	6,616
Office of Legal Policy	0	0	0	0	1,171	450	10	0
Department of Labor, total	2,656	4,418	5,859	4,833	69,334	15,785	87,803	8,379
Employment Standards Admin	0	0	0	0	216	1,330	400	177
Employment & Training Admin	2,094	4,049	5,554	4,633	68,204	14,280	86,484	7,787
Labor-Management Svcs Admin	356	0	126	200	566	175	575	357
Occupational Safety & Health Administration	0	0	0	0	0	0	327	58
Office of the Secretary	206	369	179	0	348	0	17	0
Department of State, total ⁵	2,386	5,051	7,586	18,034	22,029	446	249	0
Agency for Internat'l Dvlpmt ⁵	2,383	4,998	7,434	17,844	21,727	NA	NA	NA
Departmental Funds	3	53	152	190	302	446	249	0
Dept of Transportation, total	7,254	5,312	3,624	8,088	10,252	16,319	15,910	22,375
Coast Guard	697	479	270	378	507	0	0	0
Federal Aviation Admin	0	0	0	0	0	9,262	8,794	10,266
Federal Highway Administration	677	705	434	1,875	1,635	1,259	1,172	1,354
Federal Railroad Admin	483	450	571	365	462	1,109	1,149	912
Federal Transit Administration	494	255	232	0	0	2,094	1,139	5,061
Maritime Administration ¹	NA	NA	NA	NA	NA	NA	NA	703
National Highway Traffic Safety Administration	4,208	2,636	1,532	4,974	7,136	2,595	3,656	4,079
Office of the Secretary	695	787	585	496	512	0	0	0
Department of the Treasury, total	0	0	0	0	0	0	84	0
Internal Revenue Service	0	0	0	0	0	0	84	0
Department of Veterans Affairs	441	887	195	625	798	228	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table 12. Federal obligations to other nonprofit performers for research and development, by agency:
fiscal years 1974-81**

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981
Other agencies:								
ACTION	153	40	25	376	1,352	1,458	0	0
Appalachian Regional Commission	NA	NA	0	0	0	122	0	0
Community Services Admin	6,575	22,075	9,236	22,477	22,780	19,158	28,824	16,775
Consumer Product Safety Comm	0	1,296	492	1,480	35	84	38	0
Energy Research & Dvlpmnt Admin ⁴ ..	26,043	46,861	48,501	NA	NA	NA	NA	NA
Environmental Protection Agency	16,263	13,411	17,572	24,247	40,893	40,170	35,655	21,801
Federal Emergency Management Agency, total ^{3 2}	NA	NA	NA	NA	674	2,978	2,385	2,219
National Fire Prevention & Control Administration ²	NA	NA	NA	NA	674	0	0	0
Foundation for Educational Assistance	NA	NA	NA	NA	NA	NA	NA	30,937
General Services Administration	556	282	50	108	122	32	33	33
International Development Cooperation Agency ⁵	NA	NA	NA	NA	NA	12,991	8,288	2,287
Agency for Internat'l Dvlpmnt ⁵	NA	NA	NA	NA	NA	12,991	8,288	2,287
Nat'l Aeronautics & Space Admin	38,589	28,139	28,446	24,185	33,491	36,269	48,597	98,830
National Science Foundation	37,318	41,603	33,774	35,631	41,218	40,061	41,757	46,623
Nuclear Regulatory Commission	227	1,034	2,400	2,837	3,087	2,963	1,760	2,696
Office of Personnel Management	NA	NA	NA	NA	0	0	520	38
Off of Telecommunications Policy	0	0	197	NA	NA	NA	NA	NA
Smithsonian Institution	59	171	208	563	906	1,992	0	0
Special Action Office for Drug Abuse Prevention	850	0	NA	NA	NA	NA	NA	NA
Tennessee Valley Authority	6,231	8,675	10,670	13,322	14,227	15,756	18,000	19,688
United States Arms Control & Disarmament Agency	159	75	248	373	312	174	360	459
United States Information Agcy ⁶	0	0	0	0	0	0	0	624

¹ In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

² Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

³ Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

⁴ In 1977 the Energy Research & Development Administration became part of the Department of Energy.

⁵ The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on Oct. 1, 1979.

⁶ Data reported for the United States Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 12A. Federal obligations to other nonprofit performers for research and development, by agency:
fiscal years 1982-89**

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	1982	1983	1984	1985	1986	1987	1988	1989
Total, all agencies	1,091,651	1,241,563	1,497,252	1,699,249	1,676,991	1,711,417	1,683,211	1,999,854
Departments:								
Department of Agriculture, total	3,041	2,640	1,752	5,181	5,678	5,043	6,316	9,109
Agricultural Marketing Svc ¹	0	0	0	5	50	0	0	70
Agricultural Research Service	780	1,422	937	2,765	2,101	881	1,878	3,482
Animal & Plant Health								
Inspection Service	0	0	0	0	0	42	37	49
Cooperative State Research,								
Education, & Extension Svc	1,278	960	681	2,262	2,582	3,535	3,999	3,899
Forest Service	233	158	134	149	945	585	402	1,490
Grain Inspection Packers &								
Stockyards Administration	0	0	0	0	0	0	0	79
Human Nutrition Information Svc	750	100	0	0	0	0	0	0
Office of International								
Cooperation & Development	0	0	0	0	0	0	0	40
Department of Commerce, total	14,245	2,901	5,607	14,442	4,485	8,685	9,303	2,011
Economic Development Admin	3,500	245	1,822	10,900	0	4,133	3,721	167
Nat'l Inst of Standards & Tech	259	556	525	250	330	274	299	166
National Oceanic & Atmospheric								
Administration	10,486	2,100	3,260	3,292	4,155	4,278	5,283	1,678
Department of Defense, total	188,533	285,867	436,537	508,763	494,049	335,502	223,998	198,811
Department of the Army, total	26,943	31,510	38,549	54,339	44,069	41,453	47,829	24,628
Department of the Army, Civil								
Functions	87	0	0	0	0	0	0	0
Department of the Army,								
Military Functions	26,856	31,510	38,549	54,339	44,069	41,453	47,829	24,628
Department of the Navy	57,594	73,566	248,666	301,697	262,523	167,914	119,186	83,330
Dept of the Air Force	71,285	140,698	120,608	103,696	109,158	100,260	25,487	25,136
Defense Agencies	32,711	40,093	28,714	49,031	78,299	25,875	31,496	65,717
Department of Education	32,847	31,702	23,298	22,326	20,653	21,953	24,130	30,588
Department of Energy ²	46,093	49,001	46,030	65,766	39,130	57,209	75,770	108,071
Dept of Hlth & Human Svcs, total	560,222	616,894	677,553	768,276	792,295	947,845	1,034,228	1,207,083
Alcohol, Drug Abuse, & Mental								
Health Administration	32,778	25,170	32,203	30,729	29,998	34,714	55,026	62,947
Centers for Disease Control &								
Prevention	6,364	14,109	20,605	1,804	1,121	5,328	11,808	18,766
Food & Drug Administration	3,999	3,411	1,949	1,991	256	581	2,089	2,089
Health Care Financing Admin	7,697	12,385	6,028	11,304	9,624	8,509	9,749	20,972
Health Resources & Svcs Admin	1,262	2,637	3,159	1,969	2,225	1,429	986	1,055
Human Development Services	8,989	8,246	5,567	7,482	17,956	16,178	19,099	69,985
National Institutes of Health	492,683	541,787	601,155	703,581	725,343	873,726	926,890	1,020,584
Office of the Assistant								
Secretary for Health	597	1,390	384	1,453	1,487	1,383	1,924	2,397
Office of the Secretary	5,670	7,452	5,953	4,336	2,662	1,709	866	1,027
Social Security Administration	183	307	550	3,627	1,623	4,288	5,791	7,261
Dept of Housing & Urban Dvlpmt	4,451	4,510	1,185	1,545	605	1,021	1,264	1,197
Department of the Interior, total	2,505	683	1,797	572	332	281	246	101
Bureau of Land Management	195	0	0	0	0	0	0	0
Bureau of Mines	2,232	628	1,660	0	0	0	0	0
Geological Survey ³	0	0	0	564	317	279	90	11
Minerals Management Service	0	0	0	0	0	0	55	53
National Park Service	78	55	137	8	15	2	31	31
Office of the Secretary	0	0	0	0	0	0	70	0
Office of Surface Mining								
Reclamation & Enforcement	0	0	0	0	0	0	0	6
Department of Justice, total	9,201	11,585	8,382	12,618	12,069	9,501	7,558	7,344
Bureau of Prisons	288	170	530	430	0	599	541	300
Office of Justice Programs	8,808	11,415	7,852	12,188	12,039	8,902	7,017	7,044
Office of Legal Policy	105	0	0	0	30	0	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table 12A. Federal obligations to other nonprofit performers for research and development, by agency:
fiscal years 1982-89**

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	1982	1983	1984	1985	1986	1987	1988	1989
Department of Labor, total	5,254	1,145	0	964	904	2,656	5,721	7,015
Employment Standards Admin	0	0	0	9	0	0	0	0
Employment & Training Admin	5,254	1,145	0	0	470	1,823	3,956	5,083
Office of the Secretary	0	0	0	955	434	833	871	1,392
Pension & Welfare Benefits Administration	NA	NA	0	0	0	0	894	540
Department of State	14	0	40	20	15	2,171	2,619	3,104
Dept of Transportation, total	17,859	23,159	25,183	35,833	20,926	16,868	15,044	14,684
Coast Guard	0	0	47	817	300	0	0	0
Federal Aviation Admin	9,695	12,293	17,452	20,622	10,921	6,950	5,157	7,370
Federal Highway Administration	1,936	4,331	374	900	1,251	2,803	1,436	1,045
Federal Railroad Admin	360	420	1,280	8,872	7,197	5,833	5,228	3,794
Federal Transit Administration	1,910	2,848	2,300	1,072	803	774	0	0
Maritime Administration	800	0	230	730	340	0	0	0
National Highway Traffic Safety Administration	3,158	3,267	3,500	2,820	114	508	3,223	2,475
Department of the Treasury, total	0	260	0	0	20	0	0	0
United States Secret Service	0	260	0	0	20	0	0	0
Department of Veterans Affairs	440	1,938	662	1,306	618	424	500	565
Other agencies:								
Environmental Protection Agency	23,696	7,781	10,673	23,718	18,173	24,768	28,543	31,091
Federal Emergency Management Agency, total	791	117	571	258	0	0	0	0
International Development Cooperation Agency	9,723	39,454	80,645	57,835	62,696	67,465	40,197	110,473
Agency for Internat'l Dvlpmnt	9,723	39,454	80,645	57,835	62,696	67,465	40,197	110,473
Nat'l Aeronautics & Space Admin	104,511	97,289	89,419	82,167	101,127	102,529	112,927	149,406
National Science Foundation	39,908	41,644	59,648	68,714	76,308	82,371	84,682	94,647
Nuclear Regulatory Commission	2,253	3,163	6,155	5,658	4,656	3,620	2,244	1,850
Tennessee Valley Authority	25,789	19,785	22,075	23,187	22,229	21,500	7,831	22,704
United States Arms Control & Disarmament Agency	275	45	40	100	23	5	90	0

¹ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

² In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

³ As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 12B. Federal obligations to other nonprofit performers for research and development, by agency:
fiscal years 1990-97**

[Dollars in thousands]

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Agency and subdivision	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Total, all agencies	2,248,184	2,637,402	2,803,559	2,811,867	2,929,650	2,806,493	2,866,604	2,883,561
Departments:								
Department of Agriculture, total	9,054	10,960	11,601	12,936	11,806	12,253	14,791	7,291
Agricultural Marketing Service	89	0	0	0	0	0	0	0
Agricultural Research Service ¹	3,518	2,784	3,811	4,154	4,231	3,889	6,431	2,721
Animal & Plant Health								
Inspection Service	55	95	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Svc ²	5,322	7,007	6,783	7,501	6,525	6,965	6,961	3,171
Forest Service	45	1,074	1,007	921	1,050	1,369	1,369	1,369
Grain Inspection Packers & Stockyards Administration ³	25	0	0	0	0	0	0	0
Human Nutrition Information Service ¹	0	0	0	360	0	NA	NA	NA
National Agricultural Statistics Service	0	0	0	0	0	30	30	30
Department of Commerce, total	480	2,970	6,841	501	2,106	3,749	5,272	5,559
Economic Development Admin	59	46	110	0	301	50	290	870
Nat'l Inst of Standards & Tech	258	2,762	6,625	501	843	3,043	3,565	2,952
National Oceanic & Atmospheric Administration	163	162	106	0	962	656	1,417	1,737
Department of Defense, total	288,508	267,332	334,550	417,697	438,432	380,963	367,179	351,301
Department of the Army, total	48,411	51,679	70,325	108,014	93,339	12,371	17,230	14,978
Department of the Army, Military Functions	48,411	51,679	70,325	108,014	93,339	12,371	17,230	14,978
Department of the Navy	70,856	44,947	69,476	98,233	81,177	111,379	110,712	108,226
Dept of the Air Force	21,422	11,228	23,335	13,043	10,399	11,651	16,061	14,819
Defense Agencies	147,819	159,478	169,658	198,082	253,217	245,162	223,176	213,278
Operational Test & Evaluation, Director	0	0	150	150	300	400	0	0
Test & Evaluation, Deputy Under Secretary of Defense	0	0	1,606	175	0	0	0	0
Department of Education	41,297	47,951	42,489	50,185	43,174	45,954	44,718	47,953
Department of Energy	135,177	171,014	152,447	189,184	70,838	71,441	54,959	69,026
Dept of Hlth & Human Svcs, total	1,302,370	1,487,185	1,440,033	1,555,991	1,650,241	1,606,933	1,694,164	1,733,801
Administration on Aging ⁴	NA	10,041	10,072	9,451	9,632	9,911	2,850	2,850
Administration for Children & Families ⁵ 4	NA	88,342	26,545	16,396	1,084	1,152	900	1,900
Agency for Health Care Policy & Research ⁶	3,687	13,552	17,101	21,196	23,873	27,539	12,500	15,154
Alcohol, Drug Abuse, & Mental Health Administration ⁷	95,185	149,885	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	22,057	22,179	22,940	12,424	9,895	8,645	8,645	8,645
Food & Drug Administration	990	6,199	4,279	5,577	5,769	6,674	6,674	6,674
Health Care Financing Admin	25,283	36,555	35,769	31,222	27,267	19,199	13,928	10,173
Health Resources & Svcs Admin	2,159	0	1,496	1,242	1,283	2,500	2,489	2,461
Human Development Services ⁴	60,178	NA	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health ⁷	1,086,646	1,156,589	1,314,366	1,457,425	1,566,337	1,526,810	1,644,202	1,683,944
Office of the Assistant Secretary for Health ⁶	950	158	118	462	366	294	476	500
Office of the Secretary	761	1,469	996	577	2,177	2,183	1,500	1,500
Social Security Admin ⁸	4,474	2,216	6,351	19	2,558	2,026	NA	NA

See explanatory information, if any, and SOURCE at end of table.

**Table 12B. Federal obligations to other nonprofit performers for research and development, by agency:
fiscal years 1990-97**

[Dollars in thousands]

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Agency and subdivision	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Dept of Housing & Urban Dvlpmt	965	1,303	5,094	3,465	8,857	8,743	3,943	7,158
Department of the Interior, total	253	1,533	972	854	2,246	595	271	155
Bureau of Mines	0	0	0	0	337	0	NA	NA
Bureau of Reclamation	107	0	225	657	272	345	165	0
Geological Survey ⁹	0	1,378	607	58	0	0	0	0
Minerals Management Service	5	105	25	0	105	0	10	10
National Biological Svc ^{10 9}	NA	NA	NA	0	1,485	205	NA	NA
National Park Service ¹⁰	141	50	115	139	47	45	96	145
Department of Justice, total	10,212	14,903	13,419	19,304	22,530	20,171	26,720	29,960
Bureau of Prisons ¹¹	200	0	500	0	0	0	0	0
Immigration & Naturalization Service	0	0	360	360	360	360	360	360
Office of Justice Programs	10,012	14,903	12,559	18,944	22,170	19,811	26,360	29,600
Department of Labor, total	6,954	5,817	6,095	2,282	8,733	3,538	5,792	3,505
Employment & Training Admin	5,756	4,096	5,099	1,668	7,698	2,101	3,808	2,945
Office of the Secretary	1,198	1,721	996	614	1,035	777	1,984	560
Pension & Welfare Benefits Administration	0	0	0	0	0	660	0	0
Department of State ¹²	3,148	4,541	4,871	4,748	7,803	4,484	3,680	3,680
Dept of Transportation, total	5,921	7,190	11,954	16,721	19,324	36,786	34,343	26,617
Federal Aviation Admin	0	0	0	0	744	0	0	0
Federal Highway Administration	919	1,500	6,657	8,040	9,641	22,669	24,804	18,658
Federal Railroad Admin	3,120	4,089	3,331	7,020	4,432	5,340	5,400	5,084
Federal Transit Admin ¹³	0	0	0	0	3,136	7,506	3,139	1,700
Maritime Administration	0	0	0	0	303	242	0	175
National Highway Traffic Safety Administration	1,882	1,601	1,966	1,661	1,068	1,029	1,000	1,000
Other agencies:								
Appalachian Regional Commission	40	0	0	0	0	0	0	0
Environmental Protection Agency	22,062	28,697	85,106	0	115,566	41,196	34,144	43,396
International Development Cooperation Agency	128,855	235,214	254,303	152,558	137,425	161,259	143,292	122,739
Agency for Internat'l Dvlpmt ¹²	128,855	235,214	254,303	152,558	137,425	161,259	143,292	122,739

See explanatory information, if any, and SOURCE at end of table.

**Table 12B. Federal obligations to other nonprofit performers for research and development, by agency:
fiscal years 1990-97**

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Nat'l Aeronautics & Space Admin	168,154	212,892	265,181	280,276	255,670	269,069	286,939	274,716
National Science Foundation	98,048	112,296	141,401	102,327	128,818	138,209	143,393	155,624
Nuclear Regulatory Commission	2,355	1,625	2,696	2,783	6,056	1,150	559	390
Social Security Administration ⁸	NA	NA	NA	NA	NA	NA	2,445	690
Tennessee Valley Authority	24,331	23,979	24,506	0	0	0	0	0
United States Arms Control & Disarmament Agency ¹⁴	0	0	0	55	25	0	0	0

- ¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ³ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- ⁴ In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.
- ⁵ Obligations reported for the Administration for Children & Families may be incomplete for fiscal year 1992 due to unavailability of data.
- ⁶ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.
- ⁷ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ⁸ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- ⁹ As of FY 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ¹⁰ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ¹¹ The Bureau of Prisons was formerly listed as the Federal Prison System.
- ¹² Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.
- ¹³ The name of this agency changed from the Urban Mass Transit Administration to the Federal Transit Administration on Dec. 18, 1991.
- ¹⁴ Fiscal year 1994 figures for the United States Arms Control & Disarmament Agency are estimates based on the agency's Vol. 43 submission.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 13. Federal obligations to FFRDCs administered by industrial firms
for research and development, by agency:
fiscal years 1974-81**

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981
Total, all agencies	592,827	703,652	813,844	1,112,720	1,242,482	1,318,096	1,408,062	1,413,894
Department of Commerce, total	0	0	150	0	0	0	0	50
Economic Development Admin	0	0	150	0	0	0	0	0
National Oceanic & Atmospheric Administration	0	0	0	0	0	0	0	50
Department of Defense, total	947	1,442	81,730	109,415	99,012	114,541	91,641	105,480
Department of the Army, total	118	128	153	247	103	695	1,534	3,573
Department of the Army, Military Functions	118	128	153	247	103	695	1,534	3,573
Department of the Navy	0	0	81,014	108,763	97,567	111,691	86,501	96,023
Defense Agencies	259	1,238	531	405	1,260	2,155	3,606	5,884
Defense Civil Preparedness Agency ¹	119	76	32	0	82	NA	NA	NA
Test & Evaluation, Deputy Under Secretary of Defense	451	0	0	0	0	0	0	0
Department of Energy ²	NA	NA	NA	920,408	1,033,729	1,084,351	1,166,157	1,154,747
Department of Health, Education, & Welfare, total	0	25,800	35,990	23,284	31,456	NA	NA	NA
National Institutes of Health	0	25,800	35,990	23,284	31,456	NA	NA	NA
Dept of Hlth & Human Svcs, total	NA	NA	NA	NA	NA	29,148	32,569	27,925
National Institutes of Health	NA	NA	NA	NA	NA	29,148	32,569	27,925
Dept of Housing & Urban Dvlpmnt	980	498	589	0	0	0	0	0
Department of the Interior, total	0	0	0	0	193	0	0	58
National Park Service	0	0	0	0	0	0	0	58
Office of Surface Mining Reclamation & Enforcement	NA	NA	NA	0	193	0	0	0
Department of State, total ³	0	0	0	0	45	0	0	0
Agency for Internat'l Dvlpmnt ³	0	0	0	0	45	NA	NA	NA
Other agencies:								
Energy Research & Dvlpmnt Admin ² ...	552,328	629,163	640,138	NA	NA	NA	NA	NA
Federal Emergency Management Agency, total ^{1 4}	NA	NA	NA	NA	0	0	0	85
Nat'l Aeronautics & Space Admin	448	41	0	0	0	0	0	0
National Science Foundation	2,905	2,227	2,127	397	1,674	1,997	1,754	1,664
Nuclear Regulatory Commission	35,136	44,411	52,970	59,110	76,373	88,059	115,941	123,885
Smithsonian Institution	3	0	0	0	0	0	0	0
United States Arms Control & Disarmament Agency	80	70	150	106	0	0	0	0

¹ Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

² In 1977 the Energy Research & Development Administration became part of the Department of Energy.

³ The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on Oct. 1, 1979.

⁴ Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

KEY: FFRDCs = Federally funded research and development centers
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 13A. Federal obligations to FFRDCs administered by industrial firms
for research and development, by agency:
fiscal years 1982-89**

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	1982	1983	1984	1985	1986	1987	1988	1989
Total, all agencies	1,506,426	1,501,193	1,608,438	1,790,792	1,697,021	1,859,963	1,911,314	2,056,329
Departments:								
Department of Agriculture, total	100	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Svc	100	0	0	0	0	0	0	0
Department of Defense, total	148,314	129,397	110,029	124,986	145,536	324,593	315,686	308,885
Department of the Army, total	2,779	12,037	5,537	5,274	14,313	17,166	28,789	17,963
Department of the Army, Military Functions	2,779	12,037	5,537	5,274	14,313	17,166	28,789	17,963
Department of the Navy	137,647	106,184	94,870	104,820	97,530	205,698	167,876	177,687
Dept of the Air Force	0	245	318	268	1,167	14,566	8,422	2,928
Defense Agencies	7,888	10,931	9,304	14,624	32,526	87,163	110,599	110,307
Department of Energy ¹	1,193,779	1,217,890	1,364,573	1,549,007	1,455,133	1,474,607	1,535,531	1,587,728
Dept of Hlth & Human Svcs, total	28,963	33,612	33,106	37,008	33,416	8,450	15,241	111,833
National Institutes of Health	28,963	33,612	33,106	37,008	33,416	8,450	15,241	111,833
Department of the Interior, total	310	3,050	2,900	5,491	3,850	3,849	3,604	3,675
Bureau of Mines	0	2,850	2,700	5,391	3,800	3,760	3,550	3,550
Geological Survey ²	200	0	0	0	0	0	0	0
Minerals Management Service	0	200	200	100	50	89	54	125
National Park Service	110	0	0	0	0	0	0	0
Department of State	83	0	0	51	59	0	0	0
Dept of Transportation, total	0	88	321	151	196	42	0	49
Federal Highway Administration	0	88	321	151	196	42	0	49
Department of the Treasury, total	40	0	0	55	0	0	0	0
Bureau of Engraving & Printing	0	0	0	55	0	0	0	0
United States Customs Service	40	0	0	0	0	0	0	0
Other agencies:								
Federal Emergency Management Agency, total	0	30	0	0	0	0	0	0
National Science Foundation	2,405	1,768	1,109	1,497	2,105	1,701	868	511
Nuclear Regulatory Commission	132,218	115,323	96,400	72,450	56,631	46,681	40,359	43,623
Tennessee Valley Authority	0	0	0	16	0	0	0	0
United States Arms Control & Disarmament Agency	214	35	0	80	95	40	25	25

¹ In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

² As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 13B. Federal obligations to FFRDCs administered by industrial firms
for research and development, by agency:
fiscal years 1990-97**

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Total, all agencies	2,326,808	2,168,256	2,117,033	1,451,326	1,293,494	1,203,899	1,231,251	1,339,507
Departments:								
Department of Agriculture, total	0	2	18	13	0	0	0	0
National Agricultural Statistics Service	0	2	18	13	0	0	0	0
Department of Commerce, total	25	0	0	0	255	0	0	0
National Oceanic & Atmospheric Administration	25	0	0	0	255	0	0	0
Department of Defense, total	418,931	316,040	335,282	201,988	115,513	93,468	76,050	154,677
Department of the Army, total	11,541	8,261	21,252	35,707	29,941	26,941	9,783	3,313
Department of the Army, Military Functions	11,541	8,261	21,252	35,707	29,941	26,941	9,783	3,313
Department of the Navy	131,990	156,772	153,612	2,130	9,017	1,088	3,045	3,342
Dept of the Air Force	9,488	24,705	9,163	8,620	14,448	14,450	15,295	73,031
Defense Agencies	265,912	126,302	151,255	151,424	62,107	50,989	47,927	74,991
Test & Evaluation, Deputy Under Secretary of Defense	0	0	0	4,107	0	0	0	0
Department of Energy	1,718,194	1,690,390	1,606,502	1,093,849	1,011,006	935,637	905,159	932,715
Dept of Hlth & Human Svcs, total	145,491	116,490	124,344	107,980	127,991	142,164	223,966	226,976
Nat'l Institutes of Health ¹	145,491	116,490	124,344	107,980	127,991	142,164	223,966	226,976
Department of the Interior, total	3,741	3,648	3,137	2,083	1,897	85	20	20
Bureau of Mines	3,586	3,558	3,055	1,917	1,447	0	NA	NA
Minerals Management Service	155	90	82	166	450	85	20	20
Department of Justice, total	210	900	230	100	100	0	355	400
Drug Enforcement Admin	210	900	230	100	100	0	355	400
Dept of Transportation, total	0	150	2,673	4,806	3,944	1,619	2,422	1,459
Federal Aviation Admin	0	0	0	433	0	1,219	898	903
Federal Highway Administration	0	150	1,727	4,373	3,944	400	1,524	556
National Highway Traffic Safety Administration	0	0	946	0	0	0	0	0
Other agencies:								
National Science Foundation	363	716	434	453	0	10	8	10
Nuclear Regulatory Commission	39,853	39,920	44,313	40,054	32,788	30,916	23,271	23,250
United States Arms Control & Disarmament Agency ²	0	0	100	0	0	0	0	0

¹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

² Fiscal year 1994 figures for the United States Arms Control & Disarmament Agency are estimates based on the agency's Vol. 43 submission.

KEY: FFRDCs = Federally funded research and development centers
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 14. Federal obligations to FFRDCs administered by universities
and colleges for research and development, by agency:
fiscal years 1974-81**

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981
Total, all agencies	789,136	935,076	1,061,115	1,313,148	1,311,945	1,488,266	1,533,309	1,790,977
Department of Commerce, total	0	73	658	1,198	161	378	491	690
National Fire Prevention & Control Administration ¹	NA	0	451	347	NA	NA	NA	NA
National Oceanic & Atmospheric Administration	0	73	207	851	161	378	491	690
Department of Defense, total	152,769	161,488	156,347	215,478	85,035	121,029	149,141	185,835
Department of the Army, total	10,737	20,891	12,520	14,212	16,753	19,128	21,581	24,293
Department of the Army, Military Functions	10,737	20,891	12,520	14,212	16,753	19,128	21,581	24,293
Department of the Navy	87,087	82,316	88,839	151,025	18,604	26,528	16,846	20,607
Dept of the Air Force	31,313	26,268	28,614	29,508	31,582	48,422	60,651	82,402
Defense Agencies	23,632	32,013	26,374	20,733	18,096	26,951	50,063	58,533
Department of Energy ²	NA	NA	NA	941,145	1,064,822	1,169,291	1,185,210	1,399,914
Department of Health, Education, & Welfare, total	3,962	4,765	5,847	6,316	8,312	NA	NA	NA
Health Resources Admin	500	0	0	0	0	NA	NA	NA
National Institutes of Health	3,462	4,508	5,678	6,316	8,312	NA	NA	NA
Office of Education	0	257	169	0	0	NA	NA	NA
Dept of Hlth & Human Svcs, total	NA	NA	NA	NA	NA	11,158	11,426	14,996
National Institutes of Health	NA	NA	NA	NA	NA	11,158	11,426	14,996
Department of the Interior, total	0	218	661	0	352	645	307	1,631
Bonneville Power Admin	0	0	0	0	0	0	0	19
Bureau of Mines	0	213	661	0	196	294	300	285
Geological Survey	0	5	0	0	0	0	0	931
Office of Surface Mining Reclamation & Enforcement	NA	NA	NA	0	156	0	0	0
US Fish & Wildlife Svc	0	0	0	0	0	351	7	396
Department of Justice, total	280	0	0	0	0	0	0	0
Office of Justice Programs	280	0	0	0	0	0	0	0
Department of Labor, total	349	593	296	25	3	35	0	0
Employment Standards Admin	0	0	0	0	3	10	0	0
Employment & Training Admin	0	329	166	0	0	0	0	0
Office of the Secretary	349	264	130	25	0	25	0	0
Department of State, total ³	0	0	0	0	0	0	20	0
Departmental Funds	0	0	0	0	0	0	20	0
Dept of Transportation, total	3,620	2,638	2,354	719	210	340	3,710	4,000
Coast Guard	813	260	121	270	0	0	0	200
Federal Aviation Admin	2,040	1,640	1,425	200	210	0	3,300	3,800
Federal Transit Administration	170	57	10	0	0	340	410	0
Office of the Secretary	597	681	798	249	0	0	0	0
Department of the Treasury, total	0	0	0	0	0	55	48	0
Bureau of Alcohol, Tobacco, & Firearms	0	0	0	0	0	55	48	0

See explanatory information, if any, and SOURCE at end of table.

**Table 14. Federal obligations to FFRDCs administered by universities
and colleges for research and development, by agency:
fiscal years 1974-81**

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981
Other agencies:								
Energy Research & Dvlpmt Admin ² ...	498,950	629,518	754,381	NA	NA	NA	NA	NA
Federal Emergency Management Agency, total ⁴ 1	NA	NA	NA	NA	297	0	0	264
National Fire Prevention & Control Administration ¹	NA	NA	NA	NA	297	0	0	0
Federal Energy Administration	0	17	0	NA	NA	NA	NA	NA
Nat'l Aeronautics & Space Admin	83,267	89,255	83,625	78,284	77,763	92,984	96,956	79,008
National Science Foundation	44,522	40,143	45,446	47,768	53,474	67,364	58,890	71,169
Nuclear Regulatory Commission	1,417	6,368	11,500	22,205	21,354	24,696	26,688	33,186
United States Arms Control & Disarmament Agency	0	0	0	10	162	291	422	284

¹ Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

² In 1977 the Energy Research & Development Administration became part of the Department of Energy.

³ The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on Oct. 1, 1979.

⁴ Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

KEY: FFRDCs = Federally funded research and development centers
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 14A. Federal obligations to FFRDCs administered by universities
and colleges for research and development, by agency:
fiscal years 1982-89**

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	1982	1983	1984	1985	1986	1987	1988	1989
Total, all agencies	1,976,671	2,393,881	2,485,820	2,816,413	2,767,653	3,209,624	3,473,924	3,497,050
Departments:								
Department of Agriculture, total	105	65	120	55	165	210	0	523
Cooperative State Research, Education, & Extension Svc	105	65	120	55	165	210	0	493
Grain Inspection Packers & Stockyards Administration	0	0	0	0	0	0	0	30
Department of Commerce, total	952	834	597	480	1,768	257	192	107
Nat'l Inst of Standards & Tech	150	52	257	130	84	72	111	107
National Oceanic & Atmospheric Administration	802	782	340	350	1,684	185	81	0
Department of Defense, total	226,248	388,246	261,559	305,910	285,017	737,478	828,673	686,018
Department of the Army, total	38,463	68,498	91,365	34,094	27,049	22,972	138,169	135,929
Department of the Army, Military Functions	38,463	68,498	91,365	34,094	27,049	22,972	138,169	135,929
Department of the Navy	26,905	25,258	15,058	14,839	14,800	15,884	13,547	7,384
Dept of the Air Force	92,530	222,338	88,266	127,038	50,747	161,491	68,665	35,675
Defense Agencies	68,350	72,152	66,870	129,039	187,721	533,131	607,721	506,154
Test & Evaluation, Deputy Under Secretary of Defense	0	0	0	900	4,700	4,000	571	876
Department of Energy ¹	1,438,696	1,564,141	1,714,317	1,847,865	1,797,344	1,839,046	1,944,633	2,033,256
Dept of Hlth & Human Svcs, total	18,793	20,274	20,234	24,478	26,280	30,077	27,252	27,915
Alcohol, Drug Abuse, & Mental Health Administration	79	75	0	104	107	123	207	0
National Institutes of Health	18,714	20,199	20,234	24,374	26,173	29,954	27,045	27,915
Department of the Interior, total	57	40	0	195	0	204	0	0
Bureau of Mines	57	0	0	0	0	204	0	0
Geological Survey ²	0	40	0	0	0	0	0	0
Office of Surface Mining Reclamation & Enforcement	0	0	0	195	0	0	0	0
Department of Justice, total	0	0	0	0	0	0	0	72
Drug Enforcement Admin	0	0	0	0	0	0	0	72
Department of Labor, total	534	0	0	0	0	0	0	0
Employment & Training Admin	534	0	0	0	0	0	0	0
Dept of Transportation, total	3,975	6,626	12,306	12,359	7,695	9,781	87	100
Coast Guard	149	562	125	220	220	280	0	0
Federal Aviation Admin	3,595	5,867	11,871	12,139	7,030	9,176	0	0
Federal Highway Administration	231	62	110	0	245	0	32	0
Maritime Administration	0	135	200	0	200	0	0	0
National Highway Traffic Safety Administration	0	0	0	0	0	325	55	100
Department of the Treasury, total	0	40	0	50	0	69	0	175
Bureau of Engraving & Printing	0	0	0	50	0	69	0	175
United States Secret Service	0	40	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table 14A. Federal obligations to FFRDCs administered by universities
and colleges for research and development, by agency:
fiscal years 1982-89**

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	1982	1983	1984	1985	1986	1987	1988	1989
Other agencies:								
Environmental Protection Agency	0	254	117	566	102	177	126	162
Federal Emergency Management Agency, total	935	604	3,294	1,165	0	0	0	0
Nat'l Aeronautics & Space Admin	182,519	305,120	350,255	512,366	542,407	475,303	559,567	630,070
Nat'l Archives & Records Admin ³	NA	NA	NA	147	0	0	130	0
National Science Foundation	72,050	74,689	90,214	85,240	81,428	88,675	88,618	95,270
Nuclear Regulatory Commission	31,771	32,858	32,632	25,337	23,702	25,117	22,036	22,047
United States Arms Control & Disarmament Agency	36	90	175	200	245	3,230	2,610	1,335
United States Information Agency	0	0	0	0	1,500	0	0	0

¹ In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

² As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

³ As of 1985 the National Archives & Records Administration is separate from the General Services Administration.

KEY: FFRDCs = Federally funded research and development centers
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 14B. Federal obligations to FFRDCs administered by universities
and colleges for research and development, by agency:
fiscal years 1990-97**

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Total, all agencies	3,449,838	3,603,818	3,855,467	3,614,191	3,292,933	3,574,349	3,302,165	3,230,552
Department of Commerce, total	100	145	153	770	1,187	129	183	188
Nat'l Inst of Standards & Tech	100	145	153	32	420	129	133	138
National Oceanic & Atmospheric Administration	0	0	0	738	767	0	50	50
Department of Defense, total	658,452	637,260	668,287	544,677	274,947	261,520	223,219	202,996
Department of the Army, total	118,308	104,191	193,278	85,098	46,913	26,258	32,327	15,402
Department of the Army, Military Functions	118,308	104,191	193,278	85,098	46,913	26,258	32,327	15,402
Department of the Navy	9,015	6,937	9,609	25,409	23,651	26,785	18,855	18,489
Dept of the Air Force	34,075	39,838	42,550	64,113	12,310	42,375	8,910	8,331
Defense Agencies	497,054	486,294	421,683	369,032	191,808	165,952	162,927	160,774
Operational Test & Evaluation, Director	0	0	0	0	0	150	200	0
Test & Evaluation, Deputy Under Secretary of Defense	0	0	1,167	1,025	265	0	0	0
Department of Energy	2,020,493	2,071,670	2,227,109	2,204,925	2,077,228	2,057,324	2,001,756	2,035,067
Dept of Hlth & Human Svcs, total	28,449	28,203	22,745	25,473	26,877	24,478	18,471	21,316
Alcohol, Drug Abuse, & Mental Health Administration ¹	202	632	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	0	0	0	0	0	237	237	237
Nat'l Institutes of Health ¹	28,247	27,571	22,745	25,473	26,877	24,241	18,234	21,079
Department of the Interior, total	0	0	0	0	215	610	350	350
Minerals Management Service	0	0	0	0	140	530	350	350
National Park Service ²	0	0	0	0	75	80	0	0
Department of Justice, total	190	0	0	0	0	0	0	0
Drug Enforcement Admin	190	0	0	0	0	0	0	0
Department of State ³	0	0	0	15	15	23	41	41
Dept of Transportation, total	0	0	0	15,279	1,589	27,875	8,295	8,583
Federal Aviation Admin	0	0	0	13,979	1,478	11,926	8,295	8,433
Federal Highway Administration	0	0	0	1,300	111	15,949	0	150
Department of the Treasury, total	227	229	85	135	167	1,496	116	49
Bureau of Engraving & Printing	227	229	85	135	167	184	116	49
Internal Revenue Service ^{4 5}	0	0	0	0	0	1,312	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table 14B. Federal obligations to FFRDCs administered by universities
and colleges for research and development, by agency:
fiscal years 1990-97**

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Other agencies:								
Environmental Protection Agency	0	75	189	0	0	0	0	0
Nat'l Aeronautics & Space Admin	619,257	736,342	791,023	685,258	771,176	1,043,913	903,310	803,894
Nat'l Archives & Records Admin	20	100	0	0	0	0	0	0
National Science Foundation	106,087	111,305	124,293	118,861	125,648	140,883	135,621	145,402
Nuclear Regulatory Commission	16,538	18,439	21,533	18,798	13,884	16,098	10,803	12,666
United States Arms Control & Disarmament Agency ⁶	25	50	50	0	0	0	0	0

¹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

² The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

³ Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

⁴ Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission.

⁵ Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.

⁶ Fiscal year 1994 figures for the United States Arms Control & Disarmament Agency are estimates based on the agency's Vol. 43 submission.

KEY: FFRDCs = Federally funded research and development centers
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 15. Federal obligations to FFRDCs administered by other nonprofit institutions
for research and development, by agency:
fiscal years 1974-81**

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981
Total, all agencies	199,324	219,918	231,038	263,875	315,917	368,734	441,836	525,231
Departments:								
Department of Agriculture, total	196	101	68	173	0	0	0	0
Forest Service	196	101	68	173	0	0	0	0
Department of Commerce, total	100	38	382	223	189	0	163	94
Maritime Administration ¹	100	0	183	223	189	0	0	NA
National Fire Prevention & Control Administration ²	NA	0	65	0	NA	NA	NA	NA
National Oceanic & Atmospheric Administration	0	38	134	0	0	0	163	94
Department of Defense, total	140,952	146,699	145,618	162,833	186,518	211,655	254,881	318,907
Department of the Army, total	4,725	1,566	2,182	4,063	5,141	6,285	7,477	8,592
Department of the Army, Military Functions	4,725	1,566	2,182	4,063	5,141	6,285	7,477	8,592
Department of the Navy	3,647	3,849	4,688	4,977	5,586	4,215	6,480	6,341
Dept of the Air Force	109,393	115,944	120,760	133,444	154,485	178,880	210,716	270,929
Defense Agencies	21,339	23,233	16,232	18,352	18,851	19,576	26,696	29,893
Defense Civil Preparedness Agency ³	122	151	63	65	269	NA	NA	NA
Test & Evaluation, Deputy Under Secretary of Defense	1,726	1,956	1,693	1,932	2,186	2,699	3,512	3,152
Department of Education	NA	NA	NA	NA	NA	280	0	0
Department of Energy ⁴	NA	NA	NA	76,787	102,512	139,666	171,635	184,020
Department of Health, Education, & Welfare, total	2,959	4,469	4,648	2,701	1,888	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	57	69	339	0	250	NA	NA	NA
Health Resources Admin	387	220	0	0	0	NA	NA	NA
National Institutes of Health	2,515	4,052	3,535	2,701	1,638	NA	NA	NA
Office of Assistant Secretary for Education	0	0	303	0	0	NA	NA	NA
Office of Education	0	128	169	0	0	NA	NA	NA
Social Security Administration	0	0	302	0	0	NA	NA	NA
Dept of Hlth & Human Svcs, total	NA	NA	NA	NA	NA	1,845	689	1,720
National Institutes of Health	NA	NA	NA	NA	NA	1,845	689	1,720
Dept of Housing & Urban Dvlpmt	6,324	5,195	7,487	0	0	0	0	0
Department of the Interior, total	0	239	378	202	0	281	322	308
Bonneville Power Admin	0	9	198	0	0	0	0	88
Bureau of Mines	0	230	180	202	0	217	307	170
US Fish & Wildlife Svc	0	0	0	0	0	64	15	50
Department of Justice, total	5,579	2,405	11,259	1,764	450	0	0	0
Drug Enforcement Admin	375	400	750	750	0	0	0	0
Office of Justice Programs	5,204	2,005	10,509	1,014	450	0	0	0
Department of Labor, total	100	3	0	0	0	0	0	0
Office of the Secretary	100	3	0	0	0	0	0	0
Department of State, total ⁵	162	304	89	0	0	69	0	0
Agency for Internat'l Dvlpmt ⁵	0	221	0	0	0	NA	NA	NA
Departmental Funds	162	83	89	0	0	69	0	0
Dept of Transportation, total	12,629	10,322	10,999	10,552	11,325	0	0	0
Federal Aviation Admin	11,564	9,327	9,896	9,847	10,420	0	0	0
Federal Railroad Admin	1,065	995	1,103	705	905	0	0	0
Department of the Treasury, total	0	0	0	855	1,900	1,251	967	196
Bureau of Alcohol, Tobacco, & Firearms	0	0	0	840	1,900	1,251	967	196
United States Customs Service	0	0	0	15	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table 15. Federal obligations to FFRDCs administered by other nonprofit institutions
for research and development, by agency:
fiscal years 1974-81**

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981
Other agencies:								
Energy Research & Dvlpmt Admin ⁴	21,882	38,418	39,075	NA	NA	NA	NA	NA
Environmental Protection Agency	1,345	1,602	913	685	1,381	1,350	0	0
Federal Emergency Management								
Agency, total ^{3 2}	NA	NA	NA	NA	0	125	100	148
Federal Energy Administration	0	0	156	NA	NA	NA	NA	NA
International Development								
Cooperation Agency ⁵	NA	NA	NA	NA	NA	299	481	0
Agency for Internat'l Dvlpmt ⁵	NA	NA	NA	NA	NA	299	481	0
Nat'l Aeronautics & Space Admin	637	1,609	3,072	1,461	881	380	602	650
National Science Foundation	4,289	3,360	2,338	527	870	176	265	108
Nuclear Regulatory Commission	2,017	4,584	4,060	5,062	7,993	11,297	11,731	18,845
Off of Telecommunications Policy	0	217	47	NA	NA	NA	NA	NA
United States Arms Control &								
Disarmament Agency	153	353	449	50	10	60	0	235

¹ In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

² Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.

³ Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.

⁴ In 1977 the Energy Research & Development Administration became part of the Department of Energy.

⁵ The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on Oct. 1, 1979.

KEY: FFRDCs = Federally funded research and development centers
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 15A. Federal obligations to FFRDCs administered by other nonprofit institutions
for research and development, by agency:
fiscal years 1982-89**

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	1982	1983	1984	1985	1986	1987	1988	1989
Total, all agencies	520,573	581,272	597,086	689,190	551,188	510,644	505,587	521,952
Department of Commerce, total	101	0	0	1,502	0	0	0	0
National Oceanic & Atmospheric Administration	101	0	0	1,502	0	0	0	0
Department of Defense, total	384,995	466,263	472,945	551,206	435,700	399,674	397,135	391,466
Department of the Army, total	9,626	13,878	10,696	15,063	14,080	12,373	12,858	8,193
Department of the Army, Military Functions	9,626	13,878	10,696	15,063	14,080	12,373	12,858	8,193
Department of the Navy	6,562	4,803	35,056	36,165	34,928	38,221	38,575	49,821
Dept of the Air Force	326,147	407,213	383,807	423,726	212,094	259,781	251,405	215,933
Defense Agencies	38,074	35,957	36,972	73,869	171,904	82,414	83,518	108,851
Operational Test & Evaluation, Director	NA	NA	NA	NA	0	4,097	5,985	2,370
Test & Evaluation, Deputy Under Secretary of Defense	4,586	4,412	6,414	2,383	2,694	2,788	4,794	6,298
Department of Energy ¹	113,789	92,389	104,408	118,350	101,953	96,036	91,472	107,154
Dept of Hlth & Human Svcs, total	329	3,651	2,985	6,777	3,557	4,426	8,379	8,837
National Institutes of Health	329	3,651	2,880	6,777	3,557	4,426	8,379	8,837
Office of the Secretary	0	0	105	0	0	0	0	0
Department of the Interior, total	230	40	64	30	0	0	0	0
Bureau of Mines	0	0	34	0	0	0	0	0
Bureau of Reclamation	60	40	30	30	0	0	0	0
Geological Survey ²	170	0	0	0	0	0	0	0
Department of Justice, total	0	0	0	0	0	0	0	500
Drug Enforcement Admin	0	0	0	0	0	0	0	500
Department of State	0	0	0	0	0	10	10	0
Dept of Transportation, total	0	0	60	0	0	0	0	0
Office of the Secretary	0	0	60	0	0	0	0	0
Department of the Treasury, total	0	0	61	0	0	0	0	0
United States Customs Service	0	0	61	0	0	0	0	0
Other agencies:								
Federal Emergency Management Agency, total	0	36	210	78	0	0	0	0
International Development Cooperation Agency	0	792	0	574	0	0	0	0
Agency for Internat'l Dvlpmnt	0	792	0	574	0	0	0	0
Nat'l Aeronautics & Space Admin	417	495	399	744	589	565	790	3,083
National Science Foundation	295	50	163	0	0	0	59	377
Nuclear Regulatory Commission	20,382	17,506	15,746	9,869	9,314	9,828	7,742	10,460
United States Arms Control & Disarmament Agency	35	50	45	60	75	105	0	75

¹ In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

² As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.

KEY: FFRDCs = Federally funded research and development centers
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997

**Table 15B. Federal obligations to FFRDCs administered by other nonprofit institutions
for research and development, by agency:
fiscal years 1990-97**

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	1990	1991	1992	1993	1994	1995	Preliminary	
							1996	1997
Total, all agencies	621,640	679,417	745,642	753,411	735,512	831,393	721,223	644,104
Department of Commerce, total	25	125	250	0	0	0	0	0
Nat'l Inst of Standards & Tech	0	100	250	0	0	0	0	0
National Oceanic & Atmospheric Administration	25	25	0	0	0	0	0	0
Department of Defense, total	416,126	442,334	533,482	492,113	465,526	468,118	449,286	362,910
Department of the Army, total	11,986	37,801	34,961	19,082	24,528	23,404	21,614	15,502
Department of the Army, Military Functions	11,986	37,801	34,961	19,082	24,528	23,404	21,614	15,502
Department of the Navy	53,693	57,126	61,913	68,768	73,962	70,530	68,475	65,152
Dept of the Air Force	155,010	202,601	287,749	256,742	247,065	259,080	240,044	150,359
Defense Agencies	180,419	129,828	131,679	127,820	102,025	97,256	99,516	111,098
Operational Test & Evaluation, Director	8,840	11,856	11,020	10,800	10,300	13,220	13,360	13,624
Test & Evaluation, Deputy Under Secretary of Defense	6,178	3,122	6,160	8,901	7,646	4,628	6,277	7,175
Department of Energy	156,755	186,293	162,603	222,325	221,941	302,929	223,989	232,754
Dept of Hlth & Human Svcs, total	18,424	17,147	17,409	14,745	18,077	19,415	20,974	21,188
Centers for Disease Control & Prevention	0	0	0	0	64	67	67	67
Health Resources & Svcs Admin	0	1,699	0	0	0	0	0	0
Nat'l Institutes of Health ¹	18,424	15,448	17,409	14,745	18,013	19,348	20,907	21,121
Department of State ²	1	0	0	0	0	0	0	0
Dept of Transportation, total	17,029	17,738	17,542	5,658	13,327	10,291	7,087	7,075
Federal Aviation Admin	17,029	17,738	17,542	5,658	13,327	10,291	7,087	7,075
Department of the Treasury, total	0	0	0	2,155	0	17,200	14,500	14,500
Internal Revenue Service ^{3 4}	0	0	0	2,155	0	17,200	14,500	14,500
Other agencies:								
Nat'l Aeronautics & Space Admin	2,402	1,940	2,205	2,198	7,022	3,771	3,771	3,771
National Science Foundation	258	317	338	330	235	583	559	497
Nuclear Regulatory Commission	10,620	13,523	11,563	13,887	9,384	9,086	1,057	1,409
United States Arms Control & Disarmament Agency ⁵	0	0	250	0	0	0	0	0

¹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

² Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

³ Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission.

⁴ Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.

⁵ Fiscal year 1994 figures for the United States Arms Control & Disarmament Agency are estimates based on the agency's Vol. 43 submission.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development Fiscal Years 1995, 1996, and 1997